



Report to Shareholders for the **First Quarter**, 2019

www.cibc.com February 28, 2019

Report of the President and Chief Executive Officer

Overview of results

CIBC today announced its financial results for the first quarter ended January 31, 2019.

First quarter highlights

| | Q1/19 | Q1/18 | Q4/18 | YoY Variance | QoQ Variance |
|--|-----------------|-----------------|-----------------|--------------|--------------|
| Reported Net Income | \$1,182 million | \$1,328 million | \$1,268 million | -11% | -7% |
| Adjusted Net Income ⁽¹⁾ | \$1,363 million | \$1,433 million | \$1,364 million | -5% | 0% |
| Reported Diluted Earnings Per Share (EPS) | \$2.60 | \$2.95 | \$2.80 | -12% | -7% |
| Adjusted Diluted EPS ⁽¹⁾ | \$3.01 | \$3.18 | \$3.00 | -5% | 0% |
| Reported Return on Common Shareholders' Equity (ROE) | 13.8% | 17.4% | 15.3% | | |
| Adjusted ROE ⁽¹⁾ | 16.0% | 18.8% | 16.4% | | |
| Common Equity Tier 1 Ratio | 11.2% | 10.8% | 11.4% | | |

Results for the first quarter of 2019 were affected by the following items of note aggregating to a negative impact of \$0.41 per share:

- \$227 million (\$167 million after-tax) charge for a payment made to Air Canada, including related sales tax and transaction costs, to secure our participation in the new loyalty program;
- \$27 million (\$21 million after-tax) amortization of acquisition-related intangible assets; and
- \$8 million (\$7 million after-tax net positive impact) in purchase accounting adjustments net of transaction and integration-related costs associated with the acquisitions of The PrivateBank, Geneva Advisors and Wellington Financial.

We maintained strong Common Equity Tier 1, Tier 1 and Total capital ratios of 11.2%, 12.7% and 14.7%, respectively, compared with 11.4%, 12.9% and 14.9%, respectively, at the end of the prior quarter. CIBC's leverage ratio at January 31, 2019 was 4.2%.

CIBC announced an increase in its quarterly common share dividend from \$1.36 per share to \$1.40 per share.

In the first quarter, we delivered solid performance across our strategic business units. We continue to make progress on our strategy to build a client-focused North American bank with diversified earnings growth and disciplined expense and capital management while delivering superior shareholder returns.

Core business performance

Canadian Personal and Small Business Banking reported net income of \$463 million for the first quarter, down \$193 million or 29% from the first quarter a year ago. Excluding items of note, adjusted net income⁽¹⁾ was \$632 million, down \$26 million or 4% from the first quarter a year ago, as wider spreads and volume growth were more than offset by a higher provision for credit losses and lower fees.

Canadian Commercial Banking and Wealth Management reported net income of \$319 million for the first quarter, up \$5 million or 2% from the first quarter a year ago, primarily driven by higher revenue and lower expenses, partially offset by a higher provision for credit losses. Revenue was up in commercial banking due to volume growth, wider spreads and higher fees. This was partially offset by lower revenue in wealth management due to lower new issuance activity and lower transaction volume.

U.S. Commercial Banking and Wealth Management reported net income of \$168 million for the first quarter, up \$34 million or 25% from the first quarter a year ago. Excluding items of note, adjusted net income⁽¹⁾ was \$174 million, up \$34 million or 24% from the first quarter a year ago, primarily due to higher revenue, partially offset by higher expenses. Revenue was up in commercial banking primarily due to volume growth and in wealth management due to higher assets under management. Both commercial banking and wealth management benefited from U.S. dollar appreciation.

Capital Markets reported net income of \$201 million for the first quarter, down \$121 million or 38% from the first quarter a year ago, driven by lower revenue and a higher provision for credit losses. Lower revenue from our equity derivatives and interest rate trading businesses, lower equity and debt underwriting activity and lower investment portfolio gains were partially offset by higher revenue from our foreign exchange and commodities trading businesses and higher advisory and corporate banking revenue.

(1) For additional information, see the "Non-GAAP measures" section.

Making a difference in our Communities

CIBC is committed to building a bank that is relevant to our clients, our team members and our communities. During the quarter:

- Our One for Change employee giving campaign raised \$16 million for United Way and other charities in Canada and the U.S.;
- CIBC Miracle Day raised \$6 million to benefit kids in need around the globe; and
- CIBC was the top fundraising organization in Canada for Movember, and ranked second in the world.

Victor G. Dodig

President and Chief Executive Officer

Enhanced Disclosure Task Force

The Enhanced Disclosure Task Force (EDTF), established by the Financial Stability Board, released its report “Enhancing the Risk Disclosures of Banks” in 2012, which included thirty-two disclosure recommendations. The index below provides the listing of these disclosures, along with their locations. EDTF disclosures are located in our 2018 Annual Report, quarterly Report to Shareholders, and supplementary packages, which may be found on our website (www.cibc.com). No information on CIBC’s website, including the supplementary packages, should be considered incorporated herein by reference.

| Topics | Recommendations | Disclosures | First quarter, 2019 | | | 2018 Annual Report |
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(1) A detailed glossary of our risk and capital terminology is included on page 188 of our 2018 Annual Report.

(2) Included in our supplementary financial information package.

Management's discussion and analysis

Management's discussion and analysis (MD&A) is provided to enable readers to assess CIBC's financial condition and results of operations as at and for the quarter ended January 31, 2019 compared with corresponding periods. The MD&A should be read in conjunction with our 2018 Annual Report and the unaudited interim consolidated financial statements included in this report. Unless otherwise indicated, all financial information in this MD&A has been prepared in accordance with International Financial Reporting Standards (IFRS or GAAP) and all amounts are expressed in Canadian dollars. Certain disclosures in the MD&A have been shaded as they form an integral part of the interim consolidated financial statements. The MD&A is current as of February 27, 2019. Additional information relating to CIBC is available on SEDAR at www.sedar.com and on the U.S. Securities and Exchange Commission's (SEC) website at www.sec.gov. No information on CIBC's website (www.cibc.com) should be considered incorporated herein by reference. A glossary of terms used throughout this quarterly report can be found on pages 186 to 191 of our 2018 Annual Report.

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A NOTE ABOUT FORWARD-LOOKING STATEMENTS: From time to time, we make written or oral forward-looking statements within the meaning of certain securities laws, including in this report, in other filings with Canadian securities regulators or the SEC and in other communications. All such statements are made pursuant to the "safe harbour" provisions of, and are intended to be forward-looking statements under applicable Canadian and U.S. securities legislation, including the U.S. Private Securities Litigation Reform Act of 1995. These statements include, but are not limited to, statements made in the "Overview – Financial results", "Overview – Significant events", "Overview – Economic outlook", "Financial condition – Capital resources", "Management of risk – Risk overview", "Management of risk – Top and emerging risks", "Management of risk – Credit risk", "Management of risk – Market risk", "Management of risk – Liquidity risk", "Accounting and control matters – Critical accounting policies and estimates", "Accounting and control matters – Accounting developments", and "Accounting and control matters – Other regulatory developments" sections of this report and other statements about our operations, business lines, financial condition, risk management, priorities, targets, ongoing objectives, strategies, the regulatory environment in which we operate and outlook for calendar year 2019 and subsequent periods. Forward-looking statements are typically identified by the words "believe", "expect", "anticipate", "intend", "estimate", "forecast", "target", "objective" and other similar expressions or future or conditional verbs such as "will", "should", "would" and "could". By their nature, these statements require us to make assumptions, including the economic assumptions set out in the "Overview – Economic outlook" section of this report, and are subject to inherent risks and uncertainties that may be general or specific. A variety of factors, many of which are beyond our control, affect our operations, performance and results, and could cause actual results to differ materially from the expectations expressed in any of our forward-looking statements. These factors include: credit, market, liquidity, strategic, insurance, operational, reputation and legal, regulatory and environmental risk; the effectiveness and adequacy of our risk management and valuation models and processes; legislative or regulatory developments in the jurisdictions where we operate, including the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations issued and to be issued thereunder, the Organisation for Economic Co-operation and Development Common Reporting Standard, and regulatory reforms in the United Kingdom and Europe, the Basel Committee on Banking Supervision's global standards for capital and liquidity reform, and those relating to bank recapitalization legislation and the payments system in Canada; amendments to, and interpretations of, risk-based capital guidelines and reporting instructions, and interest rate and liquidity regulatory guidance; the resolution of legal and regulatory proceedings and related matters; the effect of changes to accounting standards, rules and interpretations; changes in our estimates of reserves and allowances; changes in tax laws; changes to our credit ratings; political conditions and developments, including changes relating to economic or trade matters; the possible effect on our business of international conflicts and terrorism; natural disasters, public health emergencies, disruptions to public infrastructure and other catastrophic events; reliance on third parties to provide components of our business infrastructure; potential disruptions to our information technology systems and services; increasing cyber security risks which may include theft or disclosure of assets, unauthorized access to sensitive information, or operational disruption; social media risk; losses incurred as a result of internal or external fraud; anti-money laundering; the accuracy and completeness of information provided to us concerning clients and counterparties; the failure of third parties to comply with their obligations to us and our affiliates or associates; intensifying competition from established competitors and new entrants in the financial services industry including through internet and mobile banking; technological change; global capital market activity; changes in monetary and economic policy; currency value and interest rate fluctuations, including as a result of market and oil price volatility; general business and economic conditions worldwide, as well as in Canada, the U.S. and other countries where we have operations, including increasing Canadian household debt levels and global credit risks; our success in developing and introducing new products and services, expanding existing distribution channels, developing new distribution channels and realizing increased revenue from these channels; changes in client spending and saving habits; our ability to attract and retain key employees and executives; our ability to successfully execute our strategies and complete and integrate acquisitions and joint ventures; the risk that expected synergies and benefits of an acquisition will not be realized within the expected time frame or at all; and our ability to anticipate and manage the risks associated with these factors. This list is not exhaustive of the factors that may affect any of our forward-looking statements. These and other factors should be considered carefully and readers should not place undue reliance on our forward-looking statements. Any forward-looking statements contained in this report represent the views of management only as of the date hereof and are presented for the purpose of assisting our shareholders and financial analysts in understanding our financial position, objectives and priorities and anticipated financial performance as at and for the periods ended on the dates presented, and may not be appropriate for other purposes. We do not undertake to update any forward-looking statement that is contained in this report or in other communications except as required by law.

First quarter financial highlights

| Unaudited, as at or for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|---|-----------------|-----------------|------------------------|
| Financial results (\$ millions) | | | |
| Net interest income | \$ 2,596 | \$ 2,539 | \$ 2,473 |
| Non-interest income | 1,969 | 1,913 | 1,986 |
| Total revenue | 4,565 | 4,452 | 4,459 |
| Provision for credit losses | 338 | 264 | 153 |
| Non-interest expenses | 2,760 | 2,591 | 2,578 |
| Income before income taxes | 1,467 | 1,597 | 1,728 |
| Income taxes | 285 | 329 | 400 |
| Net income | \$ 1,182 | \$ 1,268 | \$ 1,328 |
| Net income attributable to non-controlling interests | \$ 4 | \$ 2 | \$ 5 |
| Preferred shareholders | 23 | 24 | 18 |
| Common shareholders | 1,155 | 1,242 | 1,305 |
| Net income attributable to equity shareholders | \$ 1,178 | \$ 1,266 | \$ 1,323 |
| Financial measures | | | |
| Reported efficiency ratio | 60.5 % | 58.2 % | 57.8 % |
| Adjusted efficiency ratio ⁽¹⁾ | 54.4 % | 56.2 % | 55.1 % |
| Loan loss ratio ⁽²⁾ | 0.30 % | 0.27 % | 0.22 % |
| Reported return on common shareholders' equity | 13.8 % | 15.3 % | 17.4 % |
| Adjusted return on common shareholders' equity ⁽¹⁾ | 16.0 % | 16.4 % | 18.8 % |
| Net interest margin | 1.66 % | 1.67 % | 1.66 % |
| Net interest margin on average interest-earning assets | 1.86 % | 1.86 % | 1.86 % |
| Return on average assets | 0.76 % | 0.83 % | 0.89 % |
| Return on average interest-earning assets | 0.85 % | 0.93 % | 1.00 % |
| Total shareholder return | (0.68) % | (3.18) % | 8.45 % |
| Reported effective tax rate | 19.4 % | 20.6 % | 23.2 % |
| Adjusted effective tax rate ⁽¹⁾ | 20.4 % | 20.7 % | 18.1 % |
| Common share information | | | |
| Per share (\$) | | | |
| – basic earnings | \$ 2.61 | \$ 2.81 | \$ 2.96 |
| – reported diluted earnings | 2.60 | 2.80 | 2.95 |
| – adjusted diluted earnings ⁽¹⁾ | 3.01 | 3.00 | 3.18 |
| – dividends | 1.36 | 1.36 | 1.30 |
| – book value | 75.11 | 73.83 | 67.34 |
| Share price (\$) | | | |
| – high | 116.19 | 124.59 | 123.99 |
| – low | 100.80 | 112.24 | 112.65 |
| – closing | 111.41 | 113.68 | 121.86 |
| Shares outstanding (thousands) | | | |
| – weighted-average basic ⁽³⁾ | 443,033 | 443,015 | 441,124 ⁽⁴⁾ |
| – weighted-average diluted | 444,301 | 444,504 | 442,852 ⁽⁴⁾ |
| – end of period ⁽³⁾ | 443,802 | 442,826 | 443,825 ⁽⁴⁾ |
| Market capitalization (\$ millions) | \$ 49,444 | \$ 50,341 | \$ 54,085 |
| Value measures | | | |
| Dividend yield (based on closing share price) | 4.8 % | 4.7 % | 4.2 % |
| Reported dividend payout ratio | 52.2 % | 48.4 % | 44.0 % |
| Adjusted dividend payout ratio ⁽¹⁾ | 45.1 % | 45.1 % | 40.7 % |
| Market value to book value ratio | 1.48 | 1.54 | 1.81 |
| On- and off-balance sheet information (\$ millions) | | | |
| Cash, deposits with banks and securities | \$ 125,599 | \$ 119,355 | \$ 110,524 |
| Loans and acceptances, net of allowance | 385,072 | 381,661 | 366,679 |
| Total assets | 614,647 | 597,099 | 586,927 |
| Deposits | 464,707 | 461,015 | 446,179 |
| Common shareholders' equity | 33,334 | 32,693 | 29,889 |
| Average assets | 620,599 | 603,726 | 590,344 |
| Average interest-earning assets | 554,312 | 540,933 | 528,528 |
| Average common shareholders' equity | 33,183 | 32,200 | 29,677 |
| Assets under administration (AUA) ⁽⁵⁾⁽⁶⁾ | 2,279,879 | 2,303,962 | 2,222,725 |
| Assets under management (AUM) ⁽⁶⁾ | 228,562 | 225,379 | 225,765 |
| Balance sheet quality and liquidity measures | | | |
| Risk-weighted assets (RWA) (\$ millions) ⁽⁷⁾ | | | |
| Total RWA | \$ 225,663 | n/a | n/a |
| Common Equity Tier 1 (CET1) capital RWA | n/a | \$ 216,144 | \$ 204,647 |
| Tier 1 capital RWA | n/a | 216,303 | 204,647 |
| Total capital RWA | n/a | 216,462 | 204,647 |
| Capital ratios | | | |
| CET1 ratio | 11.2 % | 11.4 % | 10.8 % |
| Tier 1 capital ratio | 12.7 % | 12.9 % | 12.4 % |
| Total capital ratio | 14.7 % | 14.9 % | 14.1 % |
| Leverage ratio | | | |
| Leverage ratio exposure (\$ millions) | \$ 674,962 | \$ 653,946 | \$ 626,606 |
| Leverage ratio | 4.2 % | 4.3 % | 4.0 % |
| Liquidity coverage ratio (LCR) | 131 % | 128 % | 119 % |
| Other information | | | |
| Full-time equivalent employees | 43,815 | 44,220 | 44,516 |

(1) For additional information, see the "Non-GAAP measures" section.

(2) The ratio is calculated as the provision for credit losses on impaired loans to average loans and acceptances, net of allowance for credit losses.

(3) Excludes 60,532 restricted shares as at January 31, 2019 (October 31, 2018: 60,764; January 31, 2018: 189,573).

(4) Excludes 321,440 common shares that were issued and outstanding but which had not been acquired by a third party as at January 31, 2018. These shares were issued as a component of our acquisition of The PrivateBank.

(5) Includes the full contract amount of AUA or custody under a 50/50 joint venture between CIBC and The Bank of New York Mellon of \$1,815.8 billion (October 31, 2018: \$1,834.0 billion; January 31, 2018: \$1,751.2 billion).

(6) AUM amounts are included in the amounts reported under AUA.

(7) During 2018, before any capital floor requirement, there were three different levels of RWAs for the calculation of CIBC's CET1, Tier 1 and Total capital ratios as CIBC elected in 2014 to phase in the credit valuation adjustment (CVA) capital charge as permitted under the Office of the Superintendent of Financial Institutions (OSFI) guideline. Beginning in the first quarter of 2019 the ratios are calculated by reference to the same level of RWAs, as the phase-in of the CVA capital charge has been completed.

n/a Not applicable.

Overview

Financial results

Reported net income for the quarter was \$1,182 million, compared with \$1,328 million for the same quarter last year, and \$1,268 million for the prior quarter.

Adjusted net income⁽¹⁾ for the quarter was \$1,363 million, compared with \$1,433 million for the same quarter last year, and \$1,364 million for the prior quarter.

Reported diluted earnings per share (EPS) for the quarter was \$2.60, compared with \$2.95 for the same quarter last year, and \$2.80 for the prior quarter.

Adjusted diluted EPS⁽¹⁾ for the quarter was \$3.01, compared with \$3.18 for the same quarter last year, and \$3.00 for the prior quarter.

Net income for the current quarter was affected by the following items of note:

- \$227 million (\$167 million after-tax) charge for a payment made to Air Canada, including related sales tax and transaction costs, to secure our participation in the new loyalty program (Canadian Personal and Small Business Banking);
- \$27 million (\$21 million after-tax) amortization of acquisition-related intangible assets (\$2 million after-tax in Canadian Personal and Small Business Banking, \$16 million after-tax in U.S. Commercial Banking and Wealth Management, and \$3 million after-tax in Corporate and Other); and
- \$8 million (\$7 million after-tax net positive impact) in purchase accounting adjustments net of transaction and integration-related costs⁽²⁾ associated with the acquisitions of The PrivateBank, Geneva Advisors and Wellington Financial (income of \$10 million after-tax in U.S. Commercial Banking and Wealth Management, and charge of \$3 million after-tax in Corporate and Other).

The above items of note increased revenue by \$13 million and non-interest expenses by \$259 million, and decreased income taxes by \$65 million. In aggregate, these items of note decreased net income by \$181 million.

Net interest income⁽³⁾

Net interest income was up \$123 million or 5% from the same quarter last year, primarily due to volume growth and wider spreads across most of our businesses, as well as the favourable impact of foreign exchange rates, partially offset by lower trading income.

Net interest income was up \$57 million or 2% from the prior quarter, primarily due to volume growth across Canadian and U.S. commercial banking products, wider spreads in Canadian Commercial Banking and Wealth Management, higher trading income, higher corporate banking revenue and the favourable impact of foreign exchange rates, partially offset by narrower spreads in Canadian Personal and Small Business Banking.

Non-interest income⁽³⁾

Non-interest income was down \$17 million or 1% from the same quarter last year, primarily due to lower revenue from hedging activities, lower investment portfolio gains, lower mutual fund fees from lower AUM, and lower commissions, partially offset by higher trading income and credit fees.

Non-interest income was up \$56 million or 3% from the prior quarter, primarily due to lower losses on debt securities measured at fair value through other comprehensive income (FVOCI), as the prior quarter included losses arising from the Barbados government debt restructuring, of which \$61 million was shown as an item of note in the fourth quarter of 2018, higher revenue from hedging activities, and higher credit fees, partially offset by lower investment management and custodial fees and mutual fund fees from lower average AUM and AUA.

Provision for credit losses

Provision for credit losses was up \$185 million or 121% from the same quarter last year. Provision for credit losses on performing loans was up \$92 million, as the same quarter last year included a reduction in allowance, driven by an economic outlook that had improved since our adoption of IFRS 9 “Financial Instruments” (IFRS 9) on November 1, 2017, while the current quarter included an increase in allowance, reflective of the impact of certain unfavourable changes to our economic outlook. Provision for credit losses on impaired loans was up \$93 million, primarily due to higher loan losses in Canadian Commercial Banking and Wealth Management and Capital Markets.

Provision for credit losses was up \$74 million or 28% from the prior quarter. Provision for credit losses on performing loans was up \$38 million, primarily due to an increase in allowance, reflective of the impact of certain unfavourable changes to our economic outlook. Provision for credit losses on impaired loans was up \$36 million, primarily due to higher loan losses in Canadian Commercial Banking and Wealth Management and Capital Markets, partially offset by lower loan losses in FirstCaribbean International Bank Limited (CIBC FirstCaribbean), as the prior quarter included losses on sovereign loans resulting from the Barbados government debt restructuring, of which \$28 million was shown as an item of note, as well as lower losses on impaired loans in CIBC Bank USA.

Non-interest expenses

Non-interest expenses were up \$182 million or 7% from the same quarter last year, primarily due to a charge for a payment made to Air Canada, including related sales tax and transaction costs, to secure our participation in the new loyalty program, shown as an item of note, as well as higher spending on strategic initiatives, partially offset by lower performance-based compensation.

Non-interest expenses were up \$169 million or 7% from the prior quarter, primarily due to the charge noted above, as well as higher employee compensation and benefits, partially offset by the timing of spending on strategic initiatives.

(1) For additional information, see the “Non-GAAP measures” section.

(2) Transaction costs include legal and other advisory fees, financing costs associated with pre-funding the cash component of the merger consideration, and interest adjustments relating to the obligation payable to dissenting shareholders. Integration costs are comprised of direct and incremental costs incurred as part of planning for and executing the integration of the businesses of The PrivateBank (subsequently rebranded as CIBC Bank USA) and Geneva Advisors with CIBC, including enabling cross-sell opportunities and expansion of services in the U.S. market, the upgrade and conversion of systems and processes, project management, integration-related travel, severance, consulting fees and marketing costs related to rebranding activities. Purchase accounting adjustments, included as items of note beginning in the fourth quarter of 2017, include the accretion of the acquisition date fair value discount on the acquired loans of The PrivateBank, the collective allowance established for new loan originations and renewals of acquired loans (prior to the adoption of IFRS 9 in the first quarter of 2018), and changes in the fair value of contingent consideration relating to the Geneva Advisors and Wellington Financial acquisitions.

(3) Trading activities and related risk management strategies can periodically shift trading income between net interest income and non-interest income. Therefore, we view total trading income as the most appropriate measure of trading performance.

Income taxes

Income tax expense was down \$115 million or 29% from the same quarter last year, primarily due to net tax adjustments resulting from the U.S. tax reforms enacted in the first quarter of 2018, shown as an item of note, that were included in the same quarter last year and lower income in the current quarter. The current quarter also included a net tax recovery of \$38 million resulting from the Enron settlement discussed below, largely offset by a \$28 million revaluation of certain deferred tax assets due to tax rate changes enacted by the Barbados government in the first quarter of 2019.

Income tax expense was down \$44 million or 13% from the prior quarter, primarily due to lower income and the net tax recovery noted above, partially offset by the revaluation of certain deferred tax assets noted above.

On December 22, 2017, the President of the United States signed into law the Tax Cuts and Jobs Act (U.S. tax reforms), which reduced the U.S. federal corporate income tax rate to 21% effective January 1, 2018, resulting in a significant decrease in CIBC's U.S. deferred tax assets in the first quarter of 2018. The U.S. tax reforms introduced other important changes to U.S. corporate income tax laws including the creation of a new Base Erosion Anti-abuse Tax (BEAT) that subjects certain payments from a U.S. corporation to foreign related parties to additional taxes. On December 20, 2018, the Internal Revenue Service released proposed regulations to implement certain other aspects of the U.S. tax reforms. CIBC continues to evaluate the impact of these proposed regulations, together with BEAT, on our U.S. operations.

In prior years, the Canada Revenue Agency (CRA) issued reassessments disallowing the deduction of approximately \$3 billion of the 2005 Enron settlement payments and related legal expenses (the "Enron expenses"). In January 2019, we entered into a settlement agreement (the "Agreement") with the CRA that provides certainty with respect to the portion of the Enron expenses that are deductible in Canada. The impact of this Agreement resulted in the recognition of a net \$38 million tax recovery in the first quarter of 2019. This recovery was determined after taking into account the portion of the Enron expenses that we expect to deduct in the United States, but which has not yet been agreed to by the Internal Revenue Service, and the taxable refund interest that we expect to collect from the CRA upon the reassessment of certain prior year tax returns in accordance with the Agreement. It is possible that adjustments may be required to the amount of the tax benefits recognized in the United States.

The 2015 Canadian federal budget which became law effective on November 1, 2015, contained new rules for "synthetic equity arrangements" which eliminated the tax deductibility of Canadian inter-corporate dividends for Canadian corporations in certain circumstances. A set of transition rules applied between November 1, 2015 and April 30, 2017. The new rules have resulted in a higher effective tax rate, as the tax deductibility of certain Canadian corporate dividends is diminished. On February 27, 2018, the 2018 Canadian federal budget was released which extended the denial of the deductibility of Canadian inter-corporate dividends for Canadian corporations to include dividends received on share buyback transactions.

In prior years, the CRA reassessed CIBC approximately \$298 million of additional income tax by denying the tax deductibility of certain 2011 and 2012 Canadian corporate dividends on the basis that they were part of a "dividend rental arrangement". In March 2018, CIBC filed a Notice of Appeal with the Tax Court of Canada with respect to the 2011 taxation year. The matter is now in litigation. The circumstances of the dividends subject to the reassessments are similar to those prospectively addressed by the rules in the 2015 and 2018 Canadian federal budgets. In June 2018, the CRA reassessed CIBC in respect of the 2013 taxation year for approximately \$229 million of additional taxes. It is possible that subsequent years may be reassessed for similar activities. CIBC is confident that its tax filing positions were appropriate and intends to defend itself vigorously. Accordingly, no amounts have been accrued in the interim consolidated financial statements.

Foreign exchange

The following table provides the estimated impact of U.S. dollar translation on key lines of our interim consolidated statement of income, as a result of changes in average exchange rates.

| | Jan. 31, 2019 vs. Jan. 31, 2018 | Jan. 31, 2019 vs. Oct. 31, 2018 |
|---|---------------------------------------|---------------------------------------|
| \$ millions, except per share amounts, for the three months ended | | |
| Estimated increase (decrease) in: | | |
| Total revenue | \$ 57 | \$ 23 |
| Provision for credit losses | 6 | 2 |
| Non-interest expenses | 27 | 11 |
| Income taxes | 1 | — |
| Net income | 23 | 10 |
| Impact on EPS: | | |
| Basic | \$ 0.05 | \$ 0.02 |
| Diluted | 0.05 | 0.02 |
| Average USD appreciation (depreciation) relative to CAD | 6.1 % | 2.4 % |

Impact of items of note in prior periods

Net income for the prior quarters was affected by the following items of note:

Fourth quarter of 2018

- \$89 million (\$65 million after-tax and minority interest) of incremental losses on debt securities and loans in CIBC FirstCaribbean resulting from the Barbados government debt restructuring (Corporate and Other);
- \$26 million (\$19 million after-tax) amortization of acquisition-related intangible assets (\$1 million after-tax in Canadian Personal and Small Business Banking, \$1 million after-tax in Canadian Commercial Banking and Wealth Management, \$14 million after-tax in U.S. Commercial Banking and Wealth Management, and \$3 million after-tax in Corporate and Other); and
- \$8 million (\$7 million after-tax) in transaction and integration-related costs net of purchase accounting adjustments⁽¹⁾ associated with the acquisitions of The PrivateBank and Geneva Advisors (income of \$6 million after-tax in U.S. Commercial Banking and Wealth Management, and charge of \$13 million after-tax in Corporate and Other).

The above items of note decreased revenue by \$52 million, increased provision for credit losses by \$28 million, increased non-interest expenses by \$43 million, and decreased income taxes by \$27 million. In aggregate, these items of note decreased net income by \$96 million and net income attributable to common shareholders by \$91 million.

First quarter of 2018

- \$88 million charge from net tax adjustments resulting from the U.S. tax reforms enacted in the first quarter of 2018 (Corporate and Other);
- \$32 million (\$24 million after-tax) amortization of acquisition-related intangible assets (\$2 million after-tax in Canadian Personal and Small Business Banking, \$19 million after-tax in U.S. Commercial Banking and Wealth Management, and \$3 million after-tax in Corporate and Other); and
- \$10 million (\$7 million after-tax net positive impact) in purchase accounting adjustments net of transaction and integration-related costs⁽¹⁾ associated with the acquisitions of The PrivateBank and Geneva Advisors (income of \$13 million after-tax in U.S. Commercial Banking and Wealth Management, and charge of \$6 million after-tax in Corporate and Other).

The above items of note increased revenue by \$27 million, non-interest expenses by \$49 million, and income taxes by \$83 million. In aggregate, these items of note decreased net income by \$105 million.

(1) Transaction costs include legal and other advisory fees, financing costs associated with pre-funding the cash component of the merger consideration, and interest adjustments relating to the obligation payable to dissenting shareholders. Integration costs are comprised of direct and incremental costs incurred as part of planning for and executing the integration of the businesses of The PrivateBank (subsequently rebranded as CIBC Bank USA) and Geneva Advisors with CIBC, including enabling cross-sell opportunities and expansion of services in the U.S. market, the upgrade and conversion of systems and processes, project management, integration-related travel, severance, consulting fees and marketing costs related to rebranding activities. Purchase accounting adjustments, included as items of note beginning in the fourth quarter of 2017, include the accretion of the acquisition date fair value discount on the acquired loans of The PrivateBank, the collective allowance established for new loan originations and renewals of acquired loans (prior to the adoption of IFRS 9 in the first quarter of 2018), and changes in the fair value of contingent consideration relating to the Geneva Advisors and Wellington Financial acquisitions.

Significant events

Finalization of arrangement with Air Canada

Following the close of Air Canada's acquisition of the Aeroplan loyalty business from Aimia Inc. on January 10, 2019, we will be offering credit cards under Air Canada's new loyalty program, which is expected to launch in 2020. This program will allow CIBC's Aeroplan cardholders to transfer their Aeroplan Miles to Air Canada's new loyalty program.

To secure our participation in Air Canada's new loyalty program for a period of 10 years, we paid Air Canada \$200 million plus applicable sales tax, which we recognized as an expense in the current quarter. We have shown this payment, together with related transaction costs, as an item of note. In addition, we made a payment of \$92 million plus applicable sales tax as a prepayment to be applied towards future monthly payments in respect of Aeroplan Miles over a 10-year period.

Review of quarterly financial information

| \$ millions, except per share amounts, for the three months ended | | 2019 | | | | 2018 | | | |
|---|----|---------|----------|----------|----------|----------|----------|----------|----------|
| | | Jan. 31 | Oct. 31 | Jul. 31 | Apr. 30 | Jan. 31 | Oct. 31 | Jul. 31 | Apr. 30 |
| Revenue | | | | | | | | | |
| Canadian Personal and Small Business Banking | \$ | 2,166 | \$ 2,201 | \$ 2,176 | \$ 2,090 | \$ 2,138 | \$ 2,093 | \$ 2,039 | \$ 1,937 |
| Canadian Commercial Banking and Wealth Management | | 992 | 986 | 988 | 937 | 954 | 922 | 903 | 886 |
| U.S. Commercial Banking and Wealth Management ⁽¹⁾ | | 479 | 457 | 448 | 429 | 432 | 422 | 239 | 102 |
| Capital Markets ⁽¹⁾ | | 705 | 649 | 752 | 710 | 801 | 622 | 679 | 692 |
| Corporate and Other ⁽¹⁾ | | 223 | 159 | 183 | 210 | 134 | 210 | 244 | 81 |
| Total revenue | \$ | 4,565 | \$ 4,452 | \$ 4,547 | \$ 4,376 | \$ 4,459 | \$ 4,269 | \$ 4,104 | \$ 3,698 |
| Net interest income | \$ | 2,596 | \$ 2,539 | \$ 2,577 | \$ 2,476 | \$ 2,473 | \$ 2,464 | \$ 2,276 | \$ 2,095 |
| Non-interest income | | 1,969 | 1,913 | 1,970 | 1,900 | 1,986 | 1,805 | 1,828 | 1,603 |
| Total revenue | | 4,565 | 4,452 | 4,547 | 4,376 | 4,459 | 4,269 | 4,104 | 3,698 |
| Provision for credit losses | | 338 | 264 | 241 | 212 | 153 | 229 | 209 | 179 |
| Non-interest expenses | | 2,760 | 2,591 | 2,572 | 2,517 | 2,578 | 2,570 | 2,452 | 2,275 |
| Income before income taxes | | 1,467 | 1,597 | 1,734 | 1,647 | 1,728 | 1,470 | 1,443 | 1,244 |
| Income taxes | | 285 | 329 | 365 | 328 | 400 | 306 | 346 | 194 |
| Net income | \$ | 1,182 | \$ 1,268 | \$ 1,369 | \$ 1,319 | \$ 1,328 | \$ 1,164 | \$ 1,097 | \$ 1,050 |
| Net income attributable to: | | | | | | | | | |
| Non-controlling interests | \$ | 4 | \$ 2 | \$ 4 | \$ 6 | \$ 5 | \$ 5 | \$ 4 | \$ 5 |
| Equity shareholders | | 1,178 | 1,266 | 1,365 | 1,313 | 1,323 | 1,159 | 1,093 | 1,045 |
| EPS – basic | \$ | 2.61 | \$ 2.81 | \$ 3.02 | \$ 2.90 | \$ 2.96 | \$ 2.60 | \$ 2.61 | \$ 2.59 |
| – diluted | | 2.60 | 2.80 | 3.01 | 2.89 | 2.95 | 2.59 | 2.60 | 2.59 |

(1) Capital Markets and U.S. Commercial Banking and Wealth Management revenue and income taxes are reported on a taxable equivalent basis (TEB) with an equivalent offset in the revenue and income taxes of Corporate and Other.

Our quarterly results are modestly affected by seasonal factors. The second quarter has fewer days as compared with the other quarters, generally leading to lower earnings. The summer months (July – third quarter and August – fourth quarter) typically experience lower levels of market activity, which affects our brokerage, investment management, and Capital Markets activities.

Revenue

Canadian Personal and Small Business Banking revenue has benefited from volume growth over the period. In 2017, strong volume growth was partially offset by narrower spreads attributable to a lower interest rate environment. Interest rates began to rise in the second half of 2017, contributing to a trend of slower volume growth and widening spreads that continued through 2018.

Canadian Commercial Banking and Wealth Management has benefited from strong volume growth in deposits and loans, and continued growth in AUA and AUM as a result of market appreciation over the period and positive net sales of retail mutual funds in 2017 and the first half of 2018. In 2017, volume growth was partially offset by a low interest rate environment. Increases in interest rates beginning in the latter half of 2017 contributed to improved margins beginning in the fourth quarter of 2017.

U.S. Commercial Banking and Wealth Management includes the revenue of CIBC Bank USA after the close of the acquisition on June 23, 2017. U.S. Commercial Banking and Wealth Management has benefited from volume growth following the close of the acquisition.

Capital Markets revenue is influenced, to a large extent, by market conditions and activity in the equity derivatives business, which includes tax-exempt income. Tax-exempt income has been volatile over the periods shown above. The first quarter of 2018 included higher trading revenue. Corporate and Other includes the offset related to the TEB component of tax-exempt income reported in the revenue of Capital Markets and U.S. Commercial Banking and Wealth Management.

Provision for credit losses

Provision for credit losses is dependent upon the credit cycle in general, on the credit performance of the loan portfolios, and, following our adoption of IFRS 9 in the first quarter of 2018, changes in economic outlook.

In Canadian Personal and Small Business Banking, the first quarter of 2018 included a reduction in allowance for performing loans, reflective of an economic outlook that improved in the first quarter of 2018.

In Canadian Commercial Banking and Wealth Management, the fourth quarters of 2017 and 2018, and the first quarter of 2019 included higher losses on impaired loans in the commercial banking portfolio.

In U.S. Commercial Banking and Wealth Management, the loan losses of CIBC Bank USA have been included since the acquisition on June 23, 2017. The fourth quarter of 2017 included \$35 million relating to the establishment of a collective allowance (prior to our adoption of IFRS 9) for new loan originations and renewals of acquired loans relating to CIBC Bank USA. The third quarters of 2017 and 2018 included higher loan losses in our pre-existing U.S. real estate finance portfolio. The fourth quarter of 2018 included higher loan losses in CIBC Bank USA.

In Capital Markets, the first quarter of 2019 included an increase in allowance on performing loans, reflective of the impact of changes to our economic outlook, including downward revisions to expected oil prices, as well as higher losses on impaired loans. The first half of 2018 included reductions in allowance for performing loans, reflective of better portfolio credit quality and an improved outlook with respect to the oil and gas sector.

In Corporate and Other, the third and fourth quarters of 2018 included higher losses on impaired loans in CIBC FirstCaribbean resulting from the Barbados government debt restructuring. The final three quarters of 2017 included reductions in the collective allowance (prior to our adoption of IFRS 9).

Non-interest expenses

Non-interest expenses have fluctuated over the period largely due to changes in employee-related compensation and benefits, higher spending on strategic initiatives, and movement in foreign exchange rates. The first quarter of 2019 included a charge for a payment made to Air Canada, including related sales tax and transaction costs, to secure our participation in the new loyalty program. The fourth quarter of 2017 included fees and charges related to the launch of Simplii Financial and the related wind-down of the President's Choice Financial branded banking offer. The third quarter of 2017 included an increase in legal provisions in Corporate and Other, shown as an item of note. Non-interest expenses increased in the third quarter of 2017 and onward, as the results of CIBC Bank USA were included after the close of the acquisition on June 23, 2017.

Income taxes

Income taxes vary with changes in income subject to tax, and the jurisdictions in which the income is earned. Taxes can also be affected by the impact of significant items and the level of tax-exempt income. The first quarter of 2019 included a net tax recovery resulting from the Enron settlement, largely offset by the revaluation of certain deferred tax assets due to tax rate changes enacted by the Barbados government in the quarter. The first quarter of 2018 included net tax adjustments resulting from U.S. tax reforms. The favourable impact of the U.S. tax reforms on the effective tax rate in the U.S. has benefited the U.S. Commercial Banking and Wealth Management strategic business unit (SBU) beginning in the first quarter of 2018. Income taxes have increased beginning in the third quarter of 2017, primarily due to lower tax-exempt income and the inclusion of the results of CIBC Bank USA following the close of the acquisition on June 23, 2017.

Economic outlook

Having reached full employment in most provinces, Canada's economy is likely to see a slight moderation in growth in 2019 as monetary policy aims to keep inflation near 2% over the medium term. Real gross domestic product (GDP) growth is expected to decelerate in 2019 to just under 2%, with a further slowing to 1.5% in 2020 as exports are impacted by slower economic growth in the U.S. The economy is expected to continue operating at historically low unemployment rates in 2019. The Bank of Canada's overnight rate is expected to plateau at 2% in 2019, with inflation remaining moderate and the central bank seeking to keep the Canadian dollar range-bound to allow exports to advance. Housing construction should run at a slower pace, while capital spending by businesses should remain on a moderate growth path, with the energy sector awaiting greater assurance of pipeline access. Global crude oil prices could see a modest further recovery relative to the decline experienced in late 2018 as the Organization of the Petroleum Exporting Countries (OPEC) restrains production, but that could be offset by a return to somewhat wider differentials for Canadian heavy crude oil as production increases after the easing of recently mandated curtailments.

The U.S. economy is expected to decelerate to just over 2% growth in 2019, and it is anticipated that tight labour markets will constrain Midwest regional growth to roughly that pace. A further slowing to 1.5% growth in 2020 is likely if fiscal policy tightens. The U.S. Federal Reserve is looking to moderate growth in order to hold inflation near 2%. The absence of fresh tax cut stimulus by 2020 and the potential for government spending restraints to address deficits should allow the U.S. Federal Reserve to let its benchmark rate plateau in 2019 after one further 25 basis point increase, and open the door for an easing in policy in 2020.

Canadian Personal and Small Business Banking is expected to see a continuation of low growth in consumer and mortgage lending, with demand constrained by higher interest rates, softer growth in housing prices, and last year's regulatory tightening.

Moderate growth in corporate earnings should support activity in Capital Markets and Canadian Commercial Banking and Wealth Management. Government bond issuance activity is anticipated to remain elevated due to provincial deficits and capital spending. Credit markets should remain healthy with low unemployment and moderate profit growth. Wealth management should benefit from ongoing growth in the pool of savings, but softer economic growth could constrain the extent to which assets under management benefit from equity price gains.

In U.S. Commercial Banking and Wealth Management, commercial banking should benefit from existing capacity constraints affecting many sectors as the need to expand capacity drives incremental financing requirements. Wealth management has benefited from a greater pool of after-tax savings, although a softer path for equity prices is expected to reduce growth in assets under management. Interest rate hikes should remain mild enough to support growth in commercial lending activity, including real estate finance.

Non-GAAP measures

We use a number of financial measures to assess the performance of our business lines as described below. Some measures are calculated in accordance with GAAP (IFRS), while other measures do not have a standardized meaning under GAAP, and accordingly, these measures may not be comparable to similar measures used by other companies. Investors may find these non-GAAP measures useful in understanding how management views underlying business performance. For a more detailed discussion on our non-GAAP measures, see page 14 of the 2018 Annual Report. The following table provides a reconciliation of non-GAAP to GAAP measures related to CIBC on a consolidated basis.

| \$ millions, as at or for the three months ended | | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|--------------------|-----------------|-----------------|-----------------|
| Reported and adjusted diluted EPS | | | | |
| Reported net income attributable to common shareholders | A | \$ 1,155 | \$ 1,242 | \$ 1,305 |
| After-tax impact of items of note ⁽¹⁾ | | 181 | 91 | 105 |
| Adjusted net income attributable to common shareholders ⁽²⁾ | B | \$ 1,336 | \$ 1,333 | \$ 1,410 |
| Diluted weighted-average common shares outstanding (thousands) | C | 444,301 | 444,504 | 442,852 |
| Reported diluted EPS (\$) | A/C | \$ 2.60 | \$ 2.80 | \$ 2.95 |
| Adjusted diluted EPS (\$) ⁽²⁾ | B/C | 3.01 | 3.00 | 3.18 |
| Reported and adjusted efficiency ratio | | | | |
| Reported total revenue | D | \$ 4,565 | \$ 4,452 | \$ 4,459 |
| Pre-tax impact of items of note ⁽¹⁾ | | (13) | 52 | (27) |
| TEB | | 41 | 30 | 153 |
| Adjusted total revenue (TEB) ⁽²⁾ | E | \$ 4,593 | \$ 4,534 | \$ 4,585 |
| Reported non-interest expenses | F | \$ 2,760 | \$ 2,591 | \$ 2,578 |
| Pre-tax impact of items of note ⁽¹⁾ | | (259) | (43) | (49) |
| Adjusted non-interest expenses ⁽²⁾ | G | \$ 2,501 | \$ 2,548 | \$ 2,529 |
| Reported efficiency ratio | F/D | 60.5 % | 58.2 % | 57.8 % |
| Adjusted efficiency ratio ⁽²⁾ | G/E | 54.4 % | 56.2 % | 55.1 % |
| Reported and adjusted dividend payout ratio | | | | |
| Dividends paid to common shareholders | H | \$ 603 | \$ 602 | \$ 574 |
| Reported dividend payout ratio | H/A | 52.2 % | 48.4 % | 44.0 % |
| Adjusted dividend payout ratio ⁽²⁾ | H/B | 45.1 % | 45.1 % | 40.7 % |
| Reported and adjusted return on common shareholders' equity | | | | |
| Average common shareholders' equity | I | \$ 33,183 | \$ 32,200 | \$ 29,677 |
| Reported return on common shareholders' equity | A/I ⁽³⁾ | 13.8 % | 15.3 % | 17.4 % |
| Adjusted return on common shareholders' equity ⁽²⁾ | B/I ⁽³⁾ | 16.0 % | 16.4 % | 18.8 % |
| Reported and adjusted effective tax rate | | | | |
| Reported income before income taxes | J | \$ 1,467 | \$ 1,597 | \$ 1,728 |
| Pre-tax impact of items of note ⁽¹⁾ | | 246 | 123 | 22 |
| Adjusted income before income taxes ⁽²⁾ | K | \$ 1,713 | \$ 1,720 | \$ 1,750 |
| Reported income taxes | L | \$ 285 | \$ 329 | \$ 400 |
| Tax impact of items of note ⁽¹⁾ | | 65 | 27 | (83) |
| Adjusted income taxes ⁽²⁾ | M | \$ 350 | \$ 356 | \$ 317 |
| Reported effective tax rate | L/J | 19.4 % | 20.6 % | 23.2 % |
| Adjusted effective tax rate ⁽²⁾ | M/K | 20.4 % | 20.7 % | 18.1 % |

| \$ millions, for the three months ended | | Canadian Personal and Small Business Banking | Canadian Commercial Banking and Wealth Management | U.S. Commercial Banking and Wealth Management | Capital Markets | Corporate and Other | CIBC Total |
|---|--|---|--|--|--------------------|------------------------|---------------|
| 2019 Jan. 31 | Reported net income (loss) | \$ 463 | \$ 319 | \$ 168 | \$ 201 | \$ 31 | \$ 1,182 |
| | After-tax impact of items of note ⁽¹⁾ | 169 | - | 6 | - | 6 | 181 |
| | Adjusted net income (loss) ⁽²⁾ | \$ 632 | \$ 319 | \$ 174 | \$ 201 | \$ 37 | \$ 1,363 |
| 2018 Oct. 31 | Reported net income (loss) | \$ 668 | \$ 333 | \$ 131 | \$ 233 | \$ (97) | \$ 1,268 |
| | After-tax impact of items of note ⁽¹⁾ | 1 | 1 | 8 | - | 86 | 96 |
| | Adjusted net income (loss) ⁽²⁾ | \$ 669 | \$ 334 | \$ 139 | \$ 233 | \$ (11) | \$ 1,364 |
| 2018 Jan. 31 | Reported net income (loss) | \$ 656 | \$ 314 | \$ 134 | \$ 322 | \$ (98) | \$ 1,328 |
| | After-tax impact of items of note ⁽¹⁾ | 2 | - | 6 | - | 97 | 105 |
| | Adjusted net income (loss) ⁽²⁾ | \$ 658 | \$ 314 | \$ 140 | \$ 322 | \$ (1) | \$ 1,433 |

(1) Reflects impact of items of note described under "Financial results" section.

(2) Non-GAAP measure.

(3) Annualized.

Strategic business units overview

CIBC has four SBUs – Canadian Personal and Small Business Banking, Canadian Commercial Banking and Wealth Management, U.S. Commercial Banking and Wealth Management, and Capital Markets. These SBUs are supported by the following functional groups – Administration, Client Connectivity and Innovation, Finance, Human Resources and Communications, Internal Audit, Risk Management, and Technology and Operations, as well as other support groups, which all form part of Corporate and Other. The expenses of these functional and support groups are generally allocated to the business lines within the SBUs. The majority of the functional and support costs of CIBC Bank USA are recognized directly in the U.S. Commercial Banking and Wealth Management SBU. Corporate and Other also includes the results of CIBC FirstCaribbean and other strategic investments, as well as other income statement and balance sheet items not directly attributable to the business lines. The key methodologies and assumptions used in reporting the financial results of our SBUs are provided on page 17 of the 2018 Annual Report.

Canadian Personal and Small Business Banking

Canadian Personal and Small Business Banking provides personal and business clients across Canada with financial advice, products and services through a team in our banking centres, as well as through our direct, mobile and remote channels.

Results⁽¹⁾

| \$ millions, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| Revenue | \$ 2,166 | \$ 2,201 | \$ 2,138 |
| Provision for (reversal of) credit losses | | | |
| Impaired | 192 | 182 | 180 |
| Performing | 16 | 9 | (32) |
| Total provision for credit losses | 208 | 191 | 148 |
| Non-interest expenses | 1,327 | 1,100 | 1,098 |
| Income before income taxes | 631 | 910 | 892 |
| Income taxes | 168 | 242 | 236 |
| Net income | \$ 463 | \$ 668 | \$ 656 |
| Net income attributable to: | | | |
| Equity shareholders (a) | \$ 463 | \$ 668 | \$ 656 |
| Efficiency ratio | 61.2 % | 50.0 % | 51.3 % |
| Return on equity ⁽²⁾ | 49.9 % | 68.9 % | 69.3 % |
| Charge for economic capital ⁽²⁾ (b) | \$ (91) | \$ (95) | \$ (93) |
| Economic profit ⁽²⁾ (a+b) | \$ 372 | \$ 573 | \$ 563 |
| Full-time equivalent employees | 13,527 | 14,086 | 14,773 |

(1) For additional segmented information, see the notes to the interim consolidated financial statements.

(2) For additional information, see the "Non-GAAP measures" section.

Financial overview

Net income for the quarter was \$463 million, down \$193 million from the same quarter last year, primarily due to higher non-interest expenses, which included a charge for a payment made to Air Canada, including related sales tax and transaction costs, to secure our participation in the new loyalty program, shown as an item of note.

Net income was down \$205 million from the prior quarter, primarily due to higher non-interest expenses, which included the charge noted above.

Revenue

Revenue was up \$28 million or 1% from the same quarter last year, primarily due to wider spreads and volume growth, partially offset by lower fees.

Revenue was down \$35 million or 2% from the prior quarter, primarily due to lower spreads and lower fees, partially offset by volume growth.

Provision for credit losses

Provision for credit losses was up \$60 million from the same quarter last year. The same quarter last year included a reduction in allowance on performing loans, driven by an economic outlook that had improved since our adoption of IFRS 9 on November 1, 2017, while the current quarter included an increase in allowance on performing loans, reflective of the impact of certain unfavourable changes to our economic outlook. The current quarter also included higher write-offs in the personal lending portfolio.

Provision for credit losses was up \$17 million from the prior quarter, primarily due to an increase in allowance on impaired loans largely due to higher delinquencies in the personal lending portfolio, as well as an increase in allowance on performing loans, reflective of the impact of certain unfavourable changes to our economic outlook.

Non-interest expenses

Non-interest expenses were up \$229 million or 21% from the same quarter last year, primarily due to the charge noted above.

Non-interest expenses were up \$227 million or 21% from the prior quarter, primarily due to the charge noted above.

Income taxes

Income taxes were down \$68 million from the same quarter last year, and down \$74 million from the prior quarter, primarily due to lower income.

Canadian Commercial Banking and Wealth Management

Canadian Commercial Banking and Wealth Management provides high-touch, relationship-oriented banking and wealth management services to middle-market companies, entrepreneurs, high-net-worth individuals and families across Canada. In addition, we provide asset management services to institutional investors.

Results⁽¹⁾

| \$ millions, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| Revenue | | | |
| Commercial banking | \$ 413 | \$ 386 | \$ 354 |
| Wealth management | 579 | 600 | 600 |
| Total revenue | 992 | 986 | 954 |
| Provision for (reversal of) credit losses | | | |
| Impaired | 48 | 8 | 4 |
| Performing | (5) | (1) | (3) |
| Total provision for credit losses | 43 | 7 | 1 |
| Non-interest expenses | 515 | 521 | 523 |
| Income before income taxes | 434 | 458 | 430 |
| Income taxes | 115 | 125 | 116 |
| Net income | \$ 319 | \$ 333 | \$ 314 |
| Net income attributable to: | | | |
| Equity shareholders (a) | \$ 319 | \$ 333 | \$ 314 |
| Efficiency ratio | 51.9 % | 52.8 % | 54.8 % |
| Return on equity ⁽²⁾ | 37.0 % | 39.6 % | 39.2 % |
| Charge for economic capital ⁽²⁾ (b) | \$ (85) | \$ (82) | \$ (78) |
| Economic profit ⁽²⁾ (a+b) | \$ 234 | \$ 251 | \$ 236 |
| Full-time equivalent employees | 4,977 | 4,999 | 5,017 |

(1) For additional segmented information, see the notes to the interim consolidated financial statements.

(2) For additional information, see the "Non-GAAP measures" section.

Financial overview

Net income for the quarter was \$319 million, up \$5 million from the same quarter last year, primarily due to higher revenue and lower non-interest expenses, partially offset by a higher provision for credit losses.

Net income was down \$14 million from the prior quarter, primarily due to a higher provision for credit losses, partially offset by higher revenue and lower non-interest expenses.

Revenue

Revenue was up \$38 million or 4% from the same quarter last year.

Commercial banking revenue was up \$59 million, primarily due to volume growth, wider spreads and higher fees.

Wealth management revenue was down \$21 million, primarily due to lower commission revenue driven by lower new issuance activity and transaction volume.

Revenue was up \$6 million or 1% from the prior quarter.

Commercial banking revenue was up \$27 million, primarily due to wider spreads and volume growth.

Wealth management revenue was down \$21 million, primarily due to lower investment management and custodial fees and mutual fund fees from lower average AUM and AUA, and lower commission revenue driven by lower new issuance activity.

Provision for credit losses

Provision for credit losses was up \$42 million from the same quarter last year, primarily due to higher losses on impaired loans in the commercial banking portfolio, mainly attributable to two loans in the business services and retail and wholesale sectors.

Provision for credit losses was up \$36 million from the prior quarter, primarily due to the higher losses on impaired loans in the commercial banking portfolio noted above.

Non-interest expenses

Non-interest expenses were down \$8 million or 2% from the same quarter last year, primarily due to lower performance-based compensation.

Non-interest expenses were down \$6 million or 1% from the prior quarter, primarily due to lower performance-based compensation.

Income taxes

Income taxes were comparable with the same quarter last year.

Income taxes were down \$10 million from the prior quarter, primarily due to lower income.

U.S. Commercial Banking and Wealth Management

U.S. Commercial Banking and Wealth Management provides high-touch, relationship-oriented commercial, personal and small business banking, as well as wealth management services to meet the needs of middle-market companies, executives, entrepreneurs, high-net-worth individuals and families in the markets we serve in the U.S.

Results⁽¹⁾

| \$ millions, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| Revenue | | | |
| Commercial banking | \$ 333 | \$ 311 | \$ 295 |
| Wealth management | 148 | 148 | 133 |
| Other | (2) | (2) | 4 |
| Total revenue ⁽²⁾⁽³⁾ | 479 | 457 | 432 |
| Provision for (reversal of) credit losses | | | |
| Impaired | 5 | 22 | 4 |
| Performing | 11 | 18 | 10 |
| Total provision for credit losses | 16 | 40 | 14 |
| Non-interest expenses | 274 | 264 | 257 |
| Income before income taxes | 189 | 153 | 161 |
| Income taxes ⁽²⁾ | 21 | 22 | 27 |
| Net income | \$ 168 | \$ 131 | \$ 134 |
| Net income attributable to: | | | |
| Equity shareholders (a) | \$ 168 | \$ 131 | \$ 134 |
| Efficiency ratio | 57.2 % | 57.6 % | 59.6 % |
| Return on equity ⁽⁴⁾ | 9.0 % | 7.2 % | 7.9 % |
| Charge for economic capital ⁽⁴⁾ (b) | \$ (178) | \$ (172) | \$ (162) |
| Economic profit ⁽⁴⁾ (a+b) | \$ (10) | \$ (41) | \$ (28) |
| Full-time equivalent employees | 1,982 | 1,947 | 1,746 |

(1) For additional segmented information, see the notes to the interim consolidated financial statements.

(2) Revenue and income taxes are reported on a TEB basis. Accordingly, revenue and income taxes include a TEB adjustment of nil for the quarter ended January 31, 2019 (October 31, 2018: nil; January 31, 2018: nil). The equivalent amounts are offset in the revenue and income taxes of Corporate and Other.

(3) Included \$13 million of accretion of the acquisition date fair value discount on the acquired loans of The PrivateBank, shown as an item of note, for the quarter ended January 31, 2019 (October 31, 2018: \$9 million; January 31, 2018: \$19 million).

(4) For additional information, see the "Non-GAAP measures" section.

Financial overview

Net income for the quarter was \$168 million, up \$34 million from the same quarter last year, primarily due to higher revenue, partially offset by higher non-interest expenses.

Net income was up \$37 million from the prior quarter, primarily due to a lower provision for credit losses and higher revenue.

Revenue

Revenue was up \$47 million or 11% from the same quarter last year.

Commercial banking revenue was up \$38 million from the same quarter last year, primarily due to volume growth and the favourable impact of foreign exchange rates.

Wealth management revenue was up \$15 million from the same quarter last year, primarily due to the favourable impact of foreign exchange rates and higher investment management and custodial fees driven by higher AUM.

Other revenue was down \$6 million from the same quarter last year. Other revenue primarily includes the treasury activities of CIBC Bank USA.

Revenue was up \$22 million or 5% from the prior quarter.

Commercial banking revenue was up \$22 million from the prior quarter, primarily due to volume growth and the favourable impact of foreign exchange rates.

Wealth management revenue was comparable with the prior quarter.

Other revenue was comparable with the prior quarter.

Provision for credit losses

Provision for credit losses was comparable with the same quarter last year.

Provision for credit losses was down \$24 million from the prior quarter, primarily due to lower losses on impaired loans in CIBC Bank USA.

Non-interest expenses

Non-interest expenses were up \$17 million or 7% from the same quarter last year, primarily due to the unfavourable impact of foreign exchange rates.

Non-interest expenses were up \$10 million or 4% from the prior quarter, primarily due to the unfavourable impact of foreign exchange rates and higher employee-related compensation.

Income taxes

Income taxes were down \$6 million from the same quarter last year, primarily driven by a lower effective tax rate due to the impact of the U.S. tax reforms.

Income taxes were comparable to the prior quarter, as higher income was offset by a lower effective tax rate due to the impact of the U.S. tax reforms.

Capital Markets

Capital Markets provides integrated global markets products and services, investment banking advisory and execution, corporate banking and top-ranked research to corporate, government and institutional clients around the world.

Results⁽¹⁾

| \$ millions, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|---|-----------------|-----------------|-----------------|
| Revenue | | | |
| Global markets | \$ 414 | \$ 371 | \$ 486 |
| Corporate and investment banking ⁽²⁾ | 291 | 278 | 315 |
| Total revenue ⁽³⁾ | 705 | 649 | 801 |
| Provision for (reversal of) credit losses | | | |
| Impaired | 42 | 2 | 2 |
| Performing | 24 | (6) | (18) |
| Total provision for (reversal of) credit losses | 66 | (4) | (16) |
| Non-interest expenses | 368 | 356 | 376 |
| Income before income taxes | 271 | 297 | 441 |
| Income taxes ⁽³⁾ | 70 | 64 | 119 |
| Net income | \$ 201 | \$ 233 | \$ 322 |
| Net income attributable to: | | | |
| Equity shareholders (a) | \$ 201 | \$ 233 | \$ 322 |
| Efficiency ratio | 52.2 % | 55.0 % | 47.0 % |
| Return on equity ⁽⁴⁾ | 28.6 % | 35.3 % | 45.3 % |
| Charge for economic capital ⁽⁴⁾ (b) | \$ (69) | \$ (65) | \$ (69) |
| Economic profit ⁽⁴⁾ (a+b) | \$ 132 | \$ 168 | \$ 253 |
| Full-time equivalent employees | 1,365 | 1,396 | 1,298 |

(1) For additional segmented information, see the notes to the interim consolidated financial statements.

(2) Certain information has been reclassified to conform to the presentation adopted in the current quarter. Corporate and investment banking now includes the Other line of business.

(3) Revenue and income taxes are reported on a TEB basis. Accordingly, revenue and income taxes include a TEB adjustment of \$41 million for the quarter ended January 31, 2019 (October 31, 2018: \$30 million; January 31, 2018: \$153 million). The equivalent amounts are offset in the revenue and income taxes of Corporate and Other.

(4) For additional information, see the "Non-GAAP measures" section.

Financial overview

Net income for the quarter was \$201 million, down \$121 million from the same quarter last year, primarily due to lower revenue and a higher provision for credit losses.

Net income was down \$32 million from the prior quarter, primarily due to a higher provision for credit losses and higher non-interest expenses, partially offset by higher revenue.

Revenue

Revenue was down \$96 million or 12% from the same quarter last year.

Global markets revenue was down \$72 million, primarily due to lower revenue from our equity derivatives and interest rate trading businesses, partially offset by higher revenue from our foreign exchange and commodities trading businesses.

Corporate and investment banking revenue was down \$24 million, primarily due to lower equity and debt underwriting activity, lower investment portfolio gains and lower revenue from our run-off businesses, partially offset by higher advisory and corporate banking revenue.

Revenue was up \$56 million or 9% from the prior quarter.

Global markets revenue was up \$43 million, primarily due to higher revenue from our commodities, foreign exchange and equity derivatives trading businesses.

Corporate and investment banking revenue was up \$13 million, primarily due to higher advisory and corporate banking revenue, partially offset by lower equity underwriting activity.

Provision for (reversal of) credit losses

Provision for credit losses was up \$82 million from the same quarter last year. The same quarter last year included a reduction in allowance on performing loans, driven by improvements in the oil and gas sector and an economic outlook that had improved since our adoption of IFRS 9 on November 1, 2017, while the current quarter included an increase in allowance on performing loans, reflective of changes to our economic outlook, including downward revisions to expected oil prices. The current quarter also included losses on an impaired loan in the utility sector.

Provision for credit losses was up \$70 million from the prior quarter, primarily due to losses on an impaired loan in the utility sector and an increase in allowance on performing loans, reflective of changes to our economic outlook, including downward revisions to expected oil prices.

Non-interest expenses

Non-interest expenses were down \$8 million or 2% from the same quarter last year, primarily due to lower performance-based compensation, partially offset by higher spending on strategic initiatives.

Non-interest expenses were up \$12 million or 3% from the prior quarter, primarily due to higher performance-based compensation.

Income taxes

Income taxes were down \$49 million from the same quarter last year, primarily due to lower income.

Income taxes were up \$6 million from the prior quarter, as lower income was more than offset by the impact of changes in the proportion of income subject to varying rates of tax in different jurisdictions.

Corporate and Other

Corporate and Other includes the following functional groups – Administration, Client Connectivity and Innovation, Finance, Human Resources and Communications, Internal Audit, Risk Management, and Technology and Operations, as well as other support groups. The expenses of these functional and support groups are generally allocated to the business lines within the SBUs. The majority of the functional and support costs of CIBC Bank USA are recognized directly in the U.S. Commercial Banking and Wealth Management SBU. Corporate and Other also includes the results of CIBC FirstCaribbean and other strategic investments, as well as other income statement and balance sheet items not directly attributable to the business lines.

Results⁽¹⁾

| \$ millions, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|---|-----------------|-----------------|-----------------|
| Revenue | | | |
| International banking | \$ 197 | \$ 127 | \$ 179 |
| Other | 26 | 32 | (45) |
| Total revenue ⁽²⁾ | 223 | 159 | 134 |
| Provision for (reversal of) credit losses | | | |
| Impaired | 8 | 45 | 12 |
| Performing | (3) | (15) | (6) |
| Total provision for credit losses | 5 | 30 | 6 |
| Non-interest expenses | 276 | 350 | 324 |
| Loss before income taxes | (58) | (221) | (196) |
| Income taxes ⁽²⁾ | (89) | (124) | (98) |
| Net income (loss) | \$ 31 | \$ (97) | \$ (98) |
| Net income (loss) attributable to: | | | |
| Non-controlling interests | \$ 4 | \$ 2 | \$ 5 |
| Equity shareholders | 27 | (99) | (103) |
| Full-time equivalent employees | 21,964 | 21,792 | 21,682 |

(1) For additional segmented information, see the notes to the interim consolidated financial statements.

(2) Revenue and income taxes of Capital Markets and U.S. Commercial Banking and Wealth Management are reported on a TEB basis. The equivalent amounts are offset in the revenue and income taxes of Corporate and Other. Accordingly, revenue and income taxes include a TEB adjustment of \$41 million for the quarter ended January 31, 2019 (October 31, 2018: \$30 million; January 31, 2018: \$153 million).

Financial overview

Net income for the quarter was \$31 million, compared with a net loss of \$98 million in the same quarter last year, primarily due to higher revenue and lower non-interest expenses.

Net income was up \$128 million from the prior quarter, primarily due to lower non-interest expenses, higher revenue, and a lower provision for credit losses, partially offset by a lower income tax benefit in the current quarter.

Revenue

Revenue was up \$89 million or 66% from the same quarter last year.

International banking revenue was up \$18 million, primarily due to the favourable impact of foreign exchange rates and better performance in CIBC FirstCaribbean.

Other revenue was up \$71 million, primarily due to a lower TEB adjustment, partially offset by lower treasury revenue.

Revenue was up \$64 million or 40% from the prior quarter.

International banking revenue was up \$70 million, primarily due to losses recognized in the prior quarter on debt securities in CIBC FirstCaribbean as a result of the Barbados government debt restructuring, of which \$61 million was shown as an item of note.

Other revenue was down \$6 million, primarily due to a higher TEB adjustment, partially offset by higher treasury revenue.

Provision for credit losses

Provision for credit losses was comparable with the same quarter last year.

Provision for credit losses was down \$25 million from the prior quarter, as the prior quarter included higher losses on impaired loans, which included losses on sovereign loans resulting from the Barbados government debt restructuring, of which \$28 million was shown as an item of note. The prior quarter also included a reduction in allowance on performing loans in CIBC FirstCaribbean as a result of model parameter updates.

Non-interest expenses

Non-interest expenses were down \$48 million or 15% from the same quarter last year, primarily due to lower corporate support costs and performance-based compensation.

Non-interest expenses were down \$74 million or 21% from the prior quarter, primarily due to lower corporate support costs and the timing of spending on strategic initiatives, partially offset by higher performance-based compensation.

Income taxes

Income tax benefit was down \$9 million from the same quarter last year, primarily due to a lower TEB adjustment, partially offset by net tax adjustments resulting from the U.S. tax reforms enacted in the first quarter of 2018, shown as an item of note, that were included in the same quarter last year. The current quarter also included a net tax recovery of \$38 million resulting from the Enron settlement, (see the "Overview – Income taxes" section for additional details), largely offset by a \$28 million revaluation of certain deferred tax assets due to tax rate changes enacted by the Barbados government in the first quarter of 2019.

Income tax benefit was down \$35 million from the prior quarter, primarily due to lower losses, the revaluation of certain deferred tax assets noted above, and a \$19 million tax recovery relating to realized losses arising from the Barbados government debt restructuring that was recognized in the prior quarter and shown as an item of note, partially offset by a higher TEB adjustment and the net tax recovery noted above relating to the Enron settlement.

Financial condition

Review of condensed consolidated balance sheet

| \$ millions, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|---|-------------------|-------------------|
| Assets | | |
| Cash and deposits with banks | \$ 16,572 | \$ 17,691 |
| Securities | 109,027 | 101,664 |
| Securities borrowed or purchased under resale agreements | 56,848 | 48,938 |
| Loans and acceptances, net of allowance | 385,072 | 381,661 |
| Derivative instruments | 21,174 | 21,431 |
| Other assets | 25,954 | 25,714 |
| | \$ 614,647 | \$ 597,099 |
| Liabilities and equity | | |
| Deposits | \$ 464,707 | \$ 461,015 |
| Obligations related to securities lent or sold short or under repurchase agreements | 60,576 | 47,353 |
| Derivative instruments | 23,337 | 20,973 |
| Other liabilities | 25,782 | 28,562 |
| Subordinated indebtedness | 4,162 | 4,080 |
| Equity | 36,083 | 35,116 |
| | \$ 614,647 | \$ 597,099 |

Assets

As at January 31, 2019, total assets were up \$17.5 billion or 3% from October 31, 2018, net of a decrease of approximately \$1 billion due to the depreciation of the U.S. dollar.

Cash and deposits with banks decreased by \$1.1 billion or 6%, primarily due to lower short-term placements in Treasury.

Securities increased by \$7.4 billion or 7%, primarily due to increases in debt securities in Canadian governments, U.S. Treasury and other agencies, and corporate debt.

Securities borrowed or purchased under resale agreements increased by \$7.9 billion or 16%, primarily due to client-driven activities.

Loans and acceptances, net of allowance, increased by \$3.4 billion or 1%, due to an increase in business and government loans, partially offset by a decrease in Canadian personal loans.

Liabilities

As at January 31, 2019, total liabilities were up \$16.6 billion or 3% from October 31, 2018, net of a decrease of approximately \$1 billion due to the depreciation of the U.S. dollar.

Deposits increased by \$3.7 billion or 1%, primarily due to domestic retail volume growth, partially offset by lower wholesale funding. Further details on the composition of deposits are provided in Note 6 to the interim consolidated financial statements.

Obligations related to securities lent or sold short or under repurchase agreements increased by \$13.2 billion or 28%, primarily due to client-driven activities.

Derivative instruments increased by \$2.4 billion or 11%, largely driven by an increase in interest rate, foreign exchange and other commodity derivatives valuation.

Other liabilities decreased by \$2.8 billion or 10%, primarily due to a decrease in accrued liabilities and collateral received for derivatives.

Equity

As at January 31, 2019, equity increased by \$1.0 billion or 3% from October 31, 2018, primarily due to a net increase in retained earnings and the issuance of preferred shares.

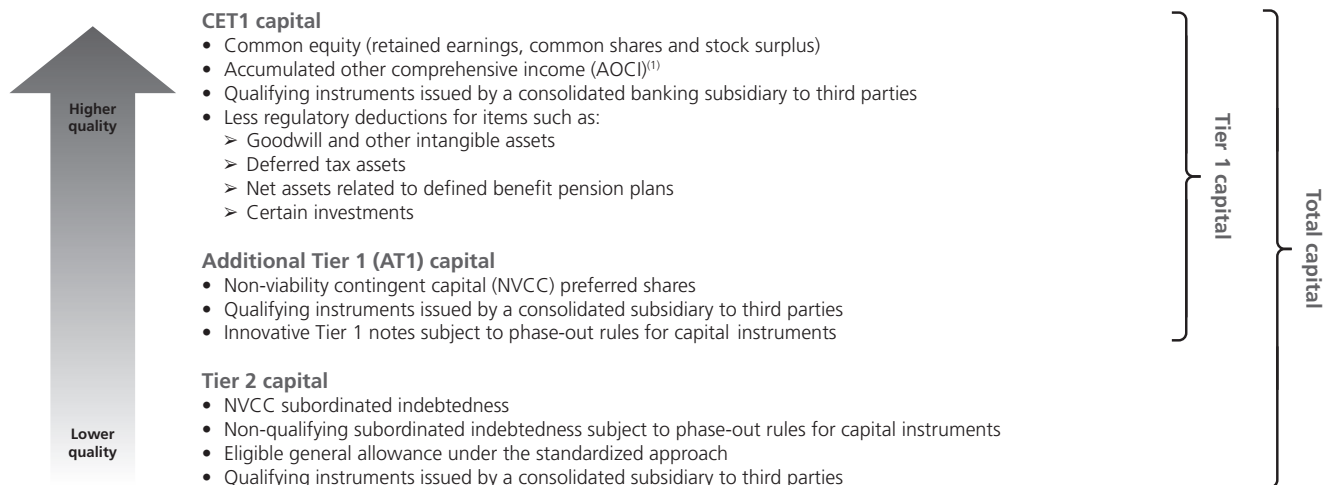
Capital resources

We actively manage our capital to maintain a strong and efficient capital base, to maximize risk-adjusted returns to shareholders, and to meet regulatory requirements. For additional details on capital resources, see pages 30 to 39 of the 2018 Annual Report.

Regulatory capital requirements under Basel III

Our regulatory capital requirements are determined in accordance with guidelines issued by OSFI, which are based upon the risk-based capital standards developed by the Basel Committee on Banking Supervision (BCBS).

Regulatory capital consists of CET1, Tier 1 and Tier 2 capital. The tiers of regulatory capital indicate increasing quality/permanence and the ability to absorb losses. The major components of our regulatory capital are summarized as follows:



(1) Excluding accumulated other comprehensive income (AOCI) relating to cash flow hedges and changes to fair value option (FVO) liabilities attributable to changes in own credit risk.

Qualifying regulatory capital instruments must be capable of absorbing loss at the point of non-viability of the financial institution; non-qualifying Tier 1 and Tier 2 capital instruments are excluded from regulatory capital at a rate of 10% per annum until January 2022, at which point they will have no regulatory value.

OSFI requires all institutions to achieve target capital ratios which include buffers. Targets may be higher for certain institutions at OSFI's discretion. CIBC, along with Bank of Montreal, Bank of Nova Scotia, National Bank of Canada, Royal Bank of Canada, and the Toronto-Dominion Bank, have been designated by OSFI as domestic systemically important banks (D-SIBs) in Canada. D-SIBs are subject to a CET1 surcharge equal to 1.0% of RWAs and a Domestic Stability Buffer requirement intended to address Pillar 2 risks that are not adequately captured in the Pillar 1 capital requirements. The Domestic Stability Buffer is currently set at 1.5%, but can range from 0% to 2.5% of RWAs (see the "Continuous enhancement to regulatory capital requirements" section for details regarding an increase to the Domestic Stability Buffer requirement that is effective April 30, 2019). Additionally, banks need to hold an incremental countercyclical capital buffer equal to their weighted-average buffer requirement in Canada and across certain other jurisdictions where they have private sector credit exposures. OSFI's current targets are summarized below:

| As at January 31, 2019 | Minimum | Capital conservation buffer | D-SIB buffer | Pillar 1 targets ⁽¹⁾ | Domestic Stability Buffer ⁽²⁾ | Target including all buffer requirements |
|------------------------|---------|-----------------------------|--------------|---------------------------------|--|--|
| CET1 ratio | 4.5 % | 2.5 % | 1.0 % | 8.0 % | 1.5 % | 9.5 % |
| Tier 1 capital ratio | 6.0 % | 2.5 % | 1.0 % | 9.5 % | 1.5 % | 11.0 % |
| Total capital ratio | 8.0 % | 2.5 % | 1.0 % | 11.5 % | 1.5 % | 13.0 % |

(1) The countercyclical capital buffer applicable to CIBC is insignificant as at January 31, 2019.

(2) The Domestic Stability Buffer will be increased to 1.75% effective April 30, 2019. See the "Continuous enhancement to regulatory capital requirements" section for additional details.

Capital adequacy requirements are applied on a consolidated basis consistent with our financial statements, except for our insurance subsidiaries (CIBC Reinsurance Company Limited and CIBC Life Insurance Company Limited), which are excluded from the regulatory scope of consolidation. The basis of consolidation applied to our financial statements is described in Note 1 to the consolidated financial statements in our 2018 Annual Report. CIBC Life Insurance Company Limited is subject to OSFI's Life Insurance Capital Adequacy Test.

Regulatory capital

Our regulatory capital levels and ratios are summarized below:

| \$ millions, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|---|-----------------|-----------------|
| CET1 capital | \$ 25,336 | \$ 24,641 |
| Tier 1 capital | 28,679 | 27,908 |
| Total capital | 33,063 | 32,230 |
| Total RWA ⁽¹⁾ | 225,663 | n/a |
| CET1 capital RWA ⁽¹⁾ | n/a | 216,144 |
| Tier 1 capital RWA ⁽¹⁾ | n/a | 216,303 |
| Total capital RWA ⁽¹⁾ | n/a | 216,462 |
| Total RWA (2018: CET1 capital RWA) consists of: | | |
| Credit risk | 190,011 | 183,135 |
| Market risk | 8,498 | 6,383 |
| Operational risk | 27,154 | 26,626 |
| | 225,663 | 216,144 |
| CET1 ratio | 11.2 % | 11.4 % |
| Tier 1 capital ratio | 12.7 % | 12.9 % |
| Total capital ratio | 14.7 % | 14.9 % |

(1) During 2018, before any capital floor requirement, there were three different levels of RWAs for the calculation of CIBC's CET1, Tier 1 and Total capital ratios as CIBC elected in 2014 to phase-in the CVA capital charge as permitted under OSFI's guideline. Beginning in the first quarter of 2019 the ratios are calculated by reference to the same level of RWAs as the phase-in of the CVA capital charge has been completed.

n/a Not applicable.

The CET1 ratio at January 31, 2019 decreased 0.2% from October 31, 2018, mainly driven by an increase in RWAs, partially offset by an increase in CET1 capital. The increase in CET1 capital was the result of internal capital generation (net income less dividends) and common share issuance. The increase in RWAs was primarily due to organic growth, changes in regulatory requirements, portfolio migrations, and higher trading market risk levels. In the first quarter of 2019, CIBC implemented revisions to the Capital Adequacy Requirements (CAR) Guideline including the revised standardized approach to counterparty credit risk and central counterparties, the revised securitization framework, and the removal of the CVA phase-in transitional arrangement.

The Tier 1 capital ratio at January 31, 2019 decreased 0.2% from October 31, 2018 primarily for the reasons noted above for the CET1 ratio, as well as an increase in the phase-out of the Innovative Tier 1 Notes from additional Tier 1 capital, partially offset by the issuance of NVCC preferred shares during the period.

The Total capital ratio at January 31, 2019 decreased 0.2% from October 31, 2018 for the reasons noted above for the Tier 1 capital ratio.

Leverage ratio

The Basel III capital reforms included a non-risk-based capital metric, the leverage ratio, to supplement risk-based capital requirements.

The leverage ratio is defined as Tier 1 capital divided by the leverage ratio exposure. The leverage ratio exposure is defined under the rules as the sum of:

- (i) On-balance sheet assets less Tier 1 capital regulatory adjustments;
- (ii) Derivative exposures;
- (iii) Securities financing transaction exposures; and
- (iv) Off-balance sheet exposures (such as commitments, direct credit substitutes, letters of credit, and securitization exposures).

OSFI expects federally regulated deposit-taking institutions to have leverage ratios that meet or exceed 3.0%. This minimum may be higher for certain institutions at OSFI's discretion.

| \$ millions, as at | | 2019 Jan. 31 | 2018 Oct. 31 |
|-------------------------|-----|-----------------|-----------------|
| Tier 1 capital | A | \$ 28,679 | \$ 27,908 |
| Leverage ratio exposure | B | 674,962 | 653,946 |
| Leverage ratio | A/B | 4.2 % | 4.3 % |

The leverage ratio at January 31, 2019 decreased 0.1% from October 31, 2018, as an increase in Tier 1 capital was more than offset by an increase in leverage ratio exposure. The increase in leverage ratio exposure was primarily driven by increases in on- and off-balance sheet assets and securities financing transaction exposures.

Continuous enhancement to regulatory capital requirements

The BCBS and OSFI have published a number of proposals for changes to the existing regulatory capital requirements to strengthen the regulation, supervision, and practices of banks with the overall objective of enhancing financial stability (see pages 34 to 36 of the 2018 Annual Report). The discussion below provides a summary of BCBS and OSFI publications that have been issued since the issuance of our 2018 Annual Report, other than those discussed in separate sections of the document.

In December 2018, OSFI announced an increase in the Domestic Stability Buffer requirement from 1.5% to 1.75% effective April 30, 2019. This will increase OSFI's target capital ratios, including all buffers, for CET1, Tier 1 and Total capital to 9.75%, 11.25% and 13.25%, respectively.

In January 2019, the BCBS published the final standard "Revisions to the minimum capital requirements for market risk", which aims to address issues related to the implementation of the market risk standard published in January 2016. The BCBS implementation date for the market risk standard is January 1, 2022.

Revised Pillar 3 disclosure requirements

The BCBS and OSFI have published a number of proposals for changes to existing Pillar 3 disclosure requirements (see page 36 of the 2018 Annual Report for additional details) that continue to evolve.

In December 2018, the BCBS issued "Pillar 3 disclosure requirements – updated framework", a standard establishing the third phase of an initiative to replace existing Pillar 3 requirements for the various types of risk. This standard includes enhancements to the first and second phases of the BCBS initiative, for which standards were issued in January 2015 and March 2017, respectively, the introduction of several new disclosure requirements, and the consolidation of all existing BCBS disclosure requirements into the Pillar 3 framework. OSFI has not yet released its requirements for the third phase of the Pillar 3 framework.

CIBC will continue to monitor and prepare for developments impacting regulatory capital requirements and disclosures.

Significant capital management activity

Normal course issuer bid

On May 31, 2018, we announced that the Toronto Stock Exchange had accepted the notice of CIBC's intention to commence a normal course issuer bid. Purchases under this bid will terminate upon the earlier of: (i) CIBC purchasing up to a maximum of 9 million common shares; (ii) CIBC providing a notice of termination; or (iii) June 3, 2019. No common shares have been purchased during the quarter.

Shareholder investment plan (the plan)

Effective with the October 28, 2016 dividend, CIBC has elected to issue shares from Treasury to fulfill the requirements of the plan. Pursuant to the plan, we issued 524,183 common shares for consideration of \$57 million for the quarter ended January 31, 2019.

Dividends

On February 27, 2019, the CIBC Board of Directors (the Board) approved an increase in our quarterly common share dividend from \$1.36 per share to \$1.40 per share for the quarter ending April 30, 2019.

Preferred shares

Non-cumulative Rate Reset Class A Preferred Shares Series 49 (NVCC)

On January 22, 2019, we issued 13 million Non-cumulative Rate Reset Class A Preferred Shares Series 49 (NVCC) (Series 49 shares) with a par value of \$25.00 per share, for gross proceeds of \$325 million. For the initial five-year period to the earliest redemption date of April 30, 2024, the Series 49 shares pay quarterly cash dividends, if declared, at a rate of 5.20%. On April 30, 2024, and on April 30 every five years thereafter, the dividend rate will reset to be equal to the then current five-year Government of Canada bond yield plus 3.31%.

Holders of the Series 49 shares will have the right to convert their shares on a one-for-one basis into Non-cumulative Floating Rate Class A Preferred Shares Series 50 (NVCC) (Series 50 shares), subject to certain conditions, on April 30, 2024 and on April 30 every five years thereafter. Holders of the Series 50 shares will be entitled to receive a quarterly floating rate dividend, if declared, equal to the three-month Government of Canada Treasury Bill yield plus 3.31%. Holders of the Series 50 shares may convert their shares on a one-for-one basis into Series 49 shares, subject to certain conditions, on April 30, 2029 and on April 30 every five years thereafter.

Subject to regulatory approval and certain provisions of the shares, we may redeem all or any part of the then outstanding Series 49 shares at par on April 30, 2024 and on April 30 every five years thereafter; we may redeem all or any part of the then outstanding Series 50 shares at par on April 30, 2029 and on April 30 every five years thereafter.

Convertible instruments

Non-viability contingent capital (NVCC) instruments

The table below provides a summary of our NVCC capital instruments outstanding:

| | Shares outstanding | | Minimum conversion price per common share | Maximum number of common shares issuable on conversion |
|--|--------------------|-----------------|---|--|
| | Number of shares | Par value | | |
| \$ millions, except number of shares and per share amounts, as at January 31, 2019 | | | | |
| Preferred shares ⁽¹⁾⁽²⁾ | | | | |
| Series 39 (NVCC) | 16,000,000 | \$ 400 | \$ 5.00 | 80,000,000 |
| Series 41 (NVCC) | 12,000,000 | 300 | 5.00 | 60,000,000 |
| Series 43 (NVCC) | 12,000,000 | 300 | 5.00 | 60,000,000 |
| Series 45 (NVCC) | 32,000,000 | 800 | 5.00 | 160,000,000 |
| Series 47 (NVCC) | 18,000,000 | 450 | 5.00 | 90,000,000 |
| Series 49 (NVCC) | 13,000,000 | 325 | 5.00 | 65,000,000 |
| Subordinated indebtedness ⁽²⁾⁽³⁾ | | | | |
| 3.00% Debentures due October 28, 2024 (NVCC) | n/a | 1,000 | 5.00 | 300,000,000 |
| 3.42% Debentures due January 26, 2026 (NVCC) | n/a | 1,000 | 5.00 | 300,000,000 |
| 3.45% Debentures due April 4, 2028 (NVCC) | n/a | 1,500 | 5.00 | 450,000,000 |
| Total | | \$ 6,075 | | 1,565,000,000 |

(1) Upon the occurrence of a Trigger Event, each share is convertible into a number of common shares, determined by dividing the par value of \$25.00 plus declared and unpaid dividends by the average common share price (as defined in the relevant prospectus supplement) subject to a minimum price per share (subject to adjustment in certain events as defined in the relevant prospectus supplement). Preferred shareholders do not have the right to convert their shares into common shares.

(2) The maximum number of common shares issuable on conversion excludes the impact of declared but unpaid dividends and accrued interest.

(3) Upon the occurrence of a Trigger Event, the Debentures are convertible into a number of common shares, determined by dividing 150% of the par value plus accrued and unpaid interest by the average common share price (as defined in the relevant prospectus supplement) subject to a minimum price per common share (subject to adjustment in certain events as defined in the relevant prospectus supplement).

n/a Not applicable.

The occurrence of a "Trigger Event" would result in conversion of all of the outstanding NVCC instruments described above, which would represent a dilution impact of 78% based on the number of CIBC common shares outstanding as at January 31, 2019. As described in the CAR Guideline, a Trigger Event occurs when OSFI determines the bank is or is about to become non-viable and, if after conversion of all contingent instruments and consideration of any other relevant factors or circumstances, it is reasonably likely that its viability will be restored or maintained; or if the bank has accepted or agreed to accept a capital injection or equivalent support from a federal or provincial government, without which OSFI would have determined the bank to be non-viable.

Bank recapitalization (Bail-in) conversion regulations

The Department of Finance's final bail-in regulations became effective September 23, 2018. These regulations provide certain statutory powers to the Canada Deposit Insurance Corporation (CDIC) to enact the bail-in regime, including the ability to convert specified eligible shares and liabilities of D-SIBs into common shares in the event such a bank becomes non-viable.

The Superintendent of Financial Institutions (the Superintendent) is responsible for designating D-SIBs, setting minimum Total Loss Absorbing Capacity (TLAC) requirements, and determining whether a bank is non-viable. Senior debt issued by CIBC on or after September 23, 2018, with an original term to maturity of more than 400 days (including explicit or embedded options) that is unsecured or partially secured is subject to bail-in. Consumer deposits, certain derivatives, covered bonds, and certain structured notes would not be eligible for bail-in.

Under the bail-in regime there is no fixed and pre-determined contractual conversion ratio for the conversion of the specified eligible shares and liabilities of CIBC that are subject to a bail-in conversion into common shares, nor are there specific requirements regarding whether liabilities subject to a bail-in conversion are converted into common shares. CDIC determines the timing of the bail-in conversion, the portion of the specified eligible shares and liabilities to be converted and the terms and conditions of the conversion, subject to parameters set out in the bail-in regime.

As at January 31, 2019, \$1,642 million (October 31, 2018: \$190 million) of our outstanding liabilities were subject to conversion under the bail-in regime.

Global systemically important banks – public disclosure requirements

The BCBS paper “Global systemically important banks: updated assessment methodology and the higher loss absorbency requirement” dated July 3, 2013 describes the annual assessment methodology and the 12 indicators used to identify global systemically important banks (G-SIBs). The document also provides annual public disclosure requirements applicable to large globally active banks.

In March 2014, OSFI published an Advisory on the implementation of the G-SIB public disclosure requirements in Canada. Federally regulated banks, including CIBC, which have not been identified as G-SIBs, and have leverage ratio exposure measures greater than the equivalent of €200 billion at year-end, are required to publicly disclose at a minimum the 12 indicators (in Canadian equivalent values) annually. The indicators are calculated based on specific instructions issued by the BCBS, which are updated annually. As a result, values may not be directly comparable against other measures disclosed in this report. The following table provides the 12 indicators used in the BCBS assessment methodology to identify G-SIBs:

| \$ thousands, as at October 31 | | 2018 | | 2017 | |
|--|--|------|----------------|------|----------------|
| Section | Indicators | | | | |
| A. Cross-jurisdictional activity | 1. Cross-jurisdictional claims | \$ | 145,485,768 | \$ | 137,871,916 |
| | 2. Cross-jurisdictional liabilities | | 160,065,248 | | 153,246,382 |
| B. Size | 3. Total exposures as defined for use in the Basel III leverage ratio ⁽¹⁾ | \$ | 662,076,733 | \$ | 618,042,651 |
| C. Interconnectedness | 4. Intra-financial system assets | \$ | 52,754,580 | \$ | 43,165,997 |
| | 5. Intra-financial system liabilities | | 28,761,881 | | 28,897,735 |
| | 6. Securities outstanding | | 174,084,211 | | 162,593,638 |
| D. Substitutability/financial institution infrastructure | 7. Payments activity | \$ | 15,732,399,282 | \$ | 16,000,938,465 |
| | 8. Assets under custody | | 1,852,891,000 | | 1,745,867,000 |
| | 9. Underwritten transactions in debt and equity market | | 45,495,312 | | 45,422,235 |
| E. Complexity | 10. Notional amount of over-the-counter (OTC) derivatives | \$ | 4,132,128,167 | \$ | 3,406,493,172 |
| | 11. Trading and other securities ⁽²⁾ | | 34,062,984 | | 39,413,622 |
| | 12. Level 3 assets | | 1,340,931 | | 2,394,486 |

(1) The calculation of this measure as defined by Basel for the purposes of the G-SIB indicator disclosures excludes regulatory adjustments.

(2) Effective November 1, 2017, trading securities represent securities mandatorily measured and designated at fair value through profit or loss and other securities represent debt and equity securities measured and designated at fair value through other comprehensive income, respectively, under IFRS 9. Prior to November 1, 2017, trading securities represented trading and fair value option securities and other securities represented available-for-sale securities, under IAS 39.

Changes in G-SIB measures

Changes in measures compared with 2017 primarily reflect normal changes in business activity and movement in foreign exchange rates.

A. Cross-jurisdictional activity

The objective of this section is to measure a bank's global footprint – i.e., the importance of a bank's activities outside its home jurisdiction. The concept underlying this section is that the international impact of a bank's distress or failure would vary in line with its share of cross-jurisdictional assets and liabilities.

B. Size

Size is a key measure of a bank's systemic importance as a bank's distress or failure is more likely to damage the global economy or financial markets if its activities comprise a large share of global activity.

C. Interconnectedness

Financial distress at one institution can materially increase the likelihood of distress at other institutions given the network of contractual obligations in which these firms operate. A bank's systemic impact is likely to be positively related to its interconnectedness vis-à-vis other financial institutions.

D. Substitutability/financial institution infrastructure

The objective of this section is to measure the extent to which a bank provides financial institution infrastructure. The concept underlying this section is that the greater a bank's role in a particular business line, or as a service provider in underlying market infrastructure (e.g., payment systems), the larger the disruption will likely be in the event of its failure, in terms of both service gaps (including the cost to a failed bank's clients of having to seek the same service from another bank) and reduced flow of market and infrastructure liquidity.

E. Complexity

The systemic impact of a bank's distress or failure is expected to be positively related to its overall complexity – i.e., its business, structural and operational complexity. The more complex a bank is, the greater are the costs and time needed to resolve the bank.

Future revisions to G-SIBs – public disclosure requirements

The BCBS issued “Global systemically important banks: revised assessment methodology and the higher loss absorbency requirement” in 2018 as a result of the first review of the G-SIB framework. The core elements of the framework have been maintained. A trading volume indicator has been added to the substitutability category, increasing the existing 12 indicators to 13. The scope of consolidation for the G-SIB framework will now include insurance subsidiaries. The revised assessment methodology must be effective by the 2021 G-SIB assessment. The framework will continue to be reviewed every three years with the next review to be completed by 2021.

Off-balance sheet arrangements

We enter into off-balance sheet arrangements in the normal course of our business. These arrangements may involve the use of structured entities (SEs) and credit-related arrangements. SEs are entities that have been designed so that voting or similar rights are not the dominant factor in deciding who controls the entity, such as when any voting rights relate to administrative tasks only and the relevant activities are directed by means of contractual arrangements. CIBC is involved with various types of SEs for which the business activities include securitization of financial assets, asset-backed financings, and asset management. We consolidate all of our sponsored trusts that securitize our own assets.

Details of our off-balance sheet arrangements are provided on page 40 of the 2018 Annual Report and also in Note 6 and Note 21 to the consolidated financial statements in the 2018 Annual Report.

Management of risk

Our approach to management of risk has not changed significantly from that described on pages 41 to 78 of the 2018 Annual Report.

Risk overview

CIBC faces a wide variety of risks across all of its areas of business. Identifying and understanding risks and their impact allows CIBC to frame its risk appetite and risk management practices. Defining acceptable levels of risk, and establishing sound principles, policies and practices for managing risks, is fundamental to achieving consistent and sustainable long-term performance, while remaining within our risk appetite.

Our risk appetite defines tolerance levels for various risks. This is the foundation for our risk management culture and our risk management framework.

Our risk management framework includes:

- CIBC and SBU-level risk appetite statements;
- Risk frameworks, policies, procedures and limits to align activities with our risk appetite;
- Regular risk reports to identify and communicate risk levels;
- An independent control framework to identify and test compliance with key controls;
- Stress testing to consider the potential impact of changes in the business environment on capital, liquidity and earnings;
- Proactive consideration of risk mitigation options in order to optimize results; and
- Oversight through our risk-focused committees and governance structure.

Managing risk is a shared responsibility at CIBC. Business units and risk management professionals work in collaboration to ensure that business strategies and activities are consistent with our risk appetite. CIBC's approach to enterprise-wide risk management aligns with the three lines of defence model:

- (i) CIBC's lines of business and functional groups own the risk and are responsible for managing all risks associated with their activities, including identifying, assessing, mitigating and controlling them – this is the first line of defence;
- (ii) As the second line of defence, CIBC's Risk Management, and other functional groups are responsible for providing guidance and effective independent oversight and challenge of the enterprise-wide risks inherent in CIBC's business activities; and
- (iii) As the third line of defence, CIBC's internal audit function provides an independent assessment of the design and operating effectiveness of risk management controls, processes and systems.

We continuously monitor our risk profile against our defined risk appetite and related limits, taking action as needed to maintain an appropriate balance of risk and return. Monitoring our risk profile includes forward-looking analysis of sensitivity to local and global market factors, economic conditions, and political and regulatory environments that influence our overall risk profile.

Regular and transparent risk reporting and discussion at senior management committees facilitates communication of risks and discussion of risk management strategies across the organization.

Top and emerging risks

We monitor and review top and emerging risks that may affect our future results, and take action to mitigate potential risks if required. We perform in-depth analyses, which can include stress testing our exposures relative to the risks, and provide updates and related developments to the Board on a regular basis. Top and emerging risks are those that we consider to have potential negative implications that are material for CIBC. See pages 47 to 49 in our 2018 Annual Report for details regarding the following top and emerging risks:

- Technology, information and cyber security risk
- Disintermediation risk
- Canadian consumer debt and the housing market
- Acquisition risk
- U.S. banking regulation
- Anti-money laundering
- Environmental and social governance

The remainder of this section describes top and emerging risks which have been updated for developments that have occurred since the issuance of our 2018 Annual Report, as well as regulatory and accounting developments that are material for CIBC.

Geo-political risk

The level of geo-political risk escalates at certain points in time. While the specific impact on the global economy and on global credit and capital markets would depend on the nature of the event, in general, any major event could result in instability and volatility, leading to widening spreads, declining equity valuations, flight to safe-haven currencies and increased purchases of gold. In the short run, market shocks could hurt the net income of our trading and non-trading market risk positions. Although Canada is unlikely to be directly subject to geo-political risk, the indirect impact of reduced economic growth, as well as potential impacts on commodity prices and the recent rise of protectionism, could have serious negative implications for general economic and banking activities.

Currently, there are several areas of concern which have raised the level of uncertainty in global financial markets. These include: heightened tensions in the Middle East in the aftermath of the decision by the U.S. to re-impose sanctions against Iran and withdraw from the Joint Comprehensive Plan of Action relating to Iran's nuclear program; the U.S. decision to withdraw from the Intermediate-Range Nuclear Forces Treaty with Russia; the lack of progress in Brexit negotiations as the March 29 deadline approaches; and continued uncertainty surrounding global trade tensions, especially between the U.S. and China. Diplomatic tensions have also risen between Canada and China, as Canada has become involved in a broader conflict between the U.S. and China. The United States Congress' ratification of the U.S.-Mexico-Canada (USMCA) deal that is intended to replace the North American Free Trade Agreement (NAFTA) remains uncertain. A wide range of potential outcomes on North American trade policy remain a possibility.

While it is impossible to predict where new geo-political disruption will occur, we do pay particular attention to markets and regions with existing or recent historical instability to assess the impact of these environments on the markets and businesses in which we operate.

Commodity prices

Global economic growth is projected to decelerate in 2019, but still provide some support to industrial demand for commodities. The spread between Canada's heavy oil benchmark, Western Canada Select (WCS), and West Texas Intermediate (WTI) hit crisis levels in the fall of 2018. A rebound in crude oil prices, from late December lows, has stalled amid worries of surging U.S. production and concerns that escalating trade tensions between the U.S. and China will result in slower global economic growth and demand in 2019. While there has been significant improvement in the price of Canada's heavy oil benchmark, WCS, and a significant narrowing of the spread between WCS and WTI following the production cut imposed by the Premier of Alberta, a return to somewhat wider differentials for Canadian heavy crude oil remains possible as production increases after easing of the mandated curtailments.

CIBC's overall commodity exposure continues to perform within our risk appetite, with losses in our oil and gas portfolio down significantly from peak levels. Clients in our oil and gas portfolio are currently being assessed on the basis of our enhanced risk metrics, and our portfolio is being monitored in a prudent manner.

Regulatory developments

See the "Income taxes", "Capital resources", "Credit risk", "Liquidity risk" and "Accounting and control matters" sections for additional information on regulatory developments.

Accounting developments

See the "Accounting and control matters" section and Note 1 to the interim consolidated financial statements for additional information on accounting developments.

Risks arising from business activities

The chart below shows our business activities and related risk measures based upon regulatory RWAs and economic capital as at January 31, 2019:

| | CIBC | | | | Corporate and Other |
|---------------------------------|---|---|--|--|---|
| SBU | Canadian Personal and Small Business Banking | Canadian Commercial Banking and Wealth Management | U.S. Commercial Banking and Wealth Management | Capital Markets | |
| Business activities | <ul style="list-style-type: none"> Deposits Residential mortgages Personal loans Credit cards Small business lending Insurance | <ul style="list-style-type: none"> Commercial banking Full service brokerage Asset management Private wealth management | <ul style="list-style-type: none"> Commercial banking Asset management Private wealth management Personal and small business banking | <ul style="list-style-type: none"> Credit products Global markets Investment banking Investment portfolios | <ul style="list-style-type: none"> International banking Investment portfolios Joint ventures Functional and support groups (see page 13) |
| Balance sheet | (\$ millions) Average assets 259,817 Average deposits 173,132 | (\$ millions) Average assets 60,189 Average deposits 58,489 | (\$ millions) Average assets 46,710 Average deposits 25,721 | (\$ millions) Average assets 176,567 Average deposits 32,603 | (\$ millions) Average assets 77,316 Average deposits 180,138 |
| CET1 RWA | (\$ millions) Credit risk 46,946 Market risk – Operational risk 11,618 | (\$ millions) Credit risk 41,388 Market risk – Operational risk 5,828 | (\$ millions) Credit risk ⁽¹⁾ 37,037 Market risk 29 Operational risk 2,906 | (\$ millions) Credit risk ⁽²⁾ 46,551 Market risk 8,139 Operational risk 6,223 | (\$ millions) Credit risk ⁽³⁾ 18,089 Market risk 330 Operational risk 579 |
| Economic capital ⁽⁴⁾ | (%) Proportion of total CIBC 17 Comprising: Credit risk ⁽⁵⁾ 59 Market risk 31 Operational/Strategic risks 10 | (%) Proportion of total CIBC 16 Comprising: Credit risk ⁽⁵⁾ 63 Market risk 2 Operational/Strategic risks 35 | (%) Proportion of total CIBC 34 Comprising: Credit risk ⁽⁵⁾ 36 Market risk 2 Operational/Strategic risks 62 | (%) Proportion of total CIBC 14 Comprising: Credit risk ⁽⁵⁾ 72 Market risk 15 Operational/Strategic risks 13 | (%) Proportion of total CIBC 19 Comprising: Credit risk ⁽⁵⁾ 24 Market risk 14 Operational/Strategic risks 62 |
| Risk profile | We are exposed to credit, market, liquidity, operational, and other risks, which primarily include strategic, insurance, technology, information and cyber security, reputation and legal, regulatory compliance, and environmental and social risks. | | | | |

(1) Includes counterparty credit risk of \$299 million, which comprises derivatives and repo-style transactions.

(2) Includes counterparty credit risk of \$14,243 million, which comprises derivatives and repo-style transactions.

(3) Includes counterparty credit risk of \$360 million, which comprises derivatives and repo-style transactions.

(4) For additional information, see the "Non-GAAP measures" section.

(5) Includes investment risk.

Credit risk

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

Credit risk arises out of the lending businesses in each of our SBUs. Other sources of credit risk consist of our trading activities, which include our OTC derivatives, debt securities, and our repo-style transaction activity. In addition to losses on the default of a borrower or counterparty, unrealized gains or losses may occur due to changes in the credit spread of the counterparty, which could impact the carrying or fair value of our assets.

Exposure to credit risk

| \$ millions, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|--|-----------------|-----------------|
| Business and government portfolios – advanced internal ratings-based approach | | |
| Drawn | \$ 157,896 | \$ 151,299 |
| Undrawn commitments | 48,804 | 50,797 |
| Repo-style transactions | 152,898 | 137,759 |
| Other off-balance sheet | 80,912 | 80,502 |
| OTC derivatives | 23,539 | 21,621 |
| Gross exposure at default (EAD) on business and government portfolios | 464,049 | 441,978 |
| Less: Collateral held for repo-style transactions | 139,881 | 125,368 |
| Net EAD on business and government portfolios | 324,168 | 316,610 |
| Retail portfolios – advanced internal ratings-based approach | | |
| Drawn | 254,522 | 259,128 |
| Undrawn commitments | 74,359 | 73,954 |
| Other off-balance sheet | 289 | 286 |
| Gross EAD on retail portfolios | 329,170 | 333,368 |
| Standardized portfolios | 58,629 | 51,983 |
| Securitization exposures | 11,210 | 13,661 |
| Gross EAD | \$ 863,058 | \$ 840,990 |
| Net EAD | \$ 723,177 | \$ 715,622 |

Forbearance policy

We employ forbearance techniques to manage client relationships and to minimize credit losses due to default, foreclosure or repossession. In certain circumstances, it may be necessary to modify a loan for economic or legal reasons related to a borrower's financial difficulties, and we may grant a concession in the form of below-market rates or terms that would not otherwise be considered, for the purpose of maximizing recovery of our exposure to the loan. In circumstances where the concession is considered below market, the modification is reported as a troubled debt restructuring (TDR). TDRs are subject to our normal quarterly impairment review which considers, amongst other factors, covenants and/or payment delinquencies. An appropriate level of loan loss provision by portfolio segment is then established.

In retail lending, forbearance techniques include interest capitalization, amortization amendments and debt consolidations. We have a set of eligibility criteria which allow our Client Account Management team to determine suitable remediation strategies and propose products based on each borrower's situation. While these solutions often provide more favourable conditions than those originally provided and are intended to increase the ability of borrowers to service their obligation to CIBC overall, we consider these solutions to be at market and comparable to terms and conditions we would have offered to new clients with comparable credit ratings.

The solutions available to corporate and commercial clients vary based on the individual nature of the client's situation and are undertaken selectively where it has been determined that the client has or is likely to have repayment difficulties servicing its obligations. Covenants often reveal changes in the client's financial situation before there is a change in payment behaviour and typically allow for a right to reprice or accelerate payments. Solutions may be temporary in nature or may involve other special management options.

Real estate secured personal lending

Real estate secured personal lending comprises residential mortgages, and personal loans and lines secured by residential property (HELOC). This portfolio is low risk, as we have a first charge on the majority of the properties and a second lien on only a small portion of the portfolio. We use the same lending criteria in the adjudication of both first lien and second lien loans.

The following table provides details on our residential mortgage and HELOC portfolios:

| \$ billions, as at January 31, 2019 | Residential mortgages | | | | HELOC ⁽¹⁾ | | Total | | | |
|---|-----------------------|------|-----------|------|----------------------|-------|---------|------|-----------|------|
| | Insured | | Uninsured | | Uninsured | | Insured | | Uninsured | |
| Ontario ⁽²⁾ | \$ 33.2 | 32 % | \$ 69.8 | 68 % | \$ 11.6 | 100 % | \$ 33.2 | 29 % | \$ 81.4 | 71 % |
| British Columbia and territories ⁽³⁾ | 11.8 | 28 | 30.6 | 72 | 4.5 | 100 | 11.8 | 25 | 35.1 | 75 |
| Alberta | 14.4 | 56 | 11.2 | 44 | 2.7 | 100 | 14.4 | 51 | 13.9 | 49 |
| Quebec | 6.3 | 43 | 8.4 | 57 | 1.4 | 100 | 6.3 | 39 | 9.8 | 61 |
| Central prairie provinces | 4.1 | 55 | 3.3 | 45 | 0.8 | 100 | 4.1 | 50 | 4.1 | 50 |
| Atlantic provinces | 4.5 | 54 | 3.8 | 46 | 0.8 | 100 | 4.5 | 49 | 4.6 | 51 |
| Canadian portfolio ⁽⁴⁾⁽⁵⁾ | 74.3 | 37 | 127.1 | 63 | 21.8 | 100 | 74.3 | 33 | 148.9 | 67 |
| U.S. portfolio ⁽⁴⁾ | – | – | 1.2 | 100 | 0.1 | 100 | – | – | 1.3 | 100 |
| Other international portfolio ⁽⁴⁾ | – | – | 2.2 | 100 | – | – | – | – | 2.2 | 100 |
| Total portfolio | \$ 74.3 | 36 % | \$ 130.5 | 64 % | \$ 21.9 | 100 % | \$ 74.3 | 33 % | \$ 152.4 | 67 % |
| October 31, 2018 | \$ 77.0 | 37 % | \$ 129.0 | 63 % | \$ 22.2 | 100 % | \$ 77.0 | 34 % | \$ 151.2 | 66 % |

(1) We did not have any insured HELOCs as at January 31, 2019 and October 31, 2018.

(2) Includes \$16.3 billion (October 31, 2018: \$17.0 billion) of insured residential mortgages, \$46.5 billion (October 31, 2018: \$45.9 billion) of uninsured residential mortgages, and \$6.7 billion (October 31, 2018: \$6.9 billion) of HELOCs in the Greater Toronto Area (GTA).

(3) Includes \$5.4 billion (October 31, 2018: \$5.6 billion) of insured residential mortgages, \$21.9 billion (October 31, 2018: \$22.0 billion) of uninsured residential mortgages, and \$2.8 billion (October 31, 2018: \$2.8 billion) of HELOCs in the Greater Vancouver Area (GVA).

(4) Geographic location is based on the address of the property.

(5) 72% (October 31, 2018: 73%) of insurance on Canadian residential mortgages is provided by Canada Mortgage and Housing Corporation and the remaining by two private Canadian insurers, both rated at least AA (low) by DBRS Limited (DBRS).

The average loan-to-value (LTV) ratios⁽¹⁾ for our uninsured residential mortgages and HELOCs originated during the quarter are provided in the following table. We did not acquire uninsured residential mortgages or HELOCs from a third party for the periods presented in the table below.

| | 2019 Jan. 31 | | 2018 Oct. 31 | | 2018 Jan. 31 | |
|---|--------------------------|-------|--------------------------|-------|--------------------------|-------|
| For the three months ended | Residential mortgages | HELOC | Residential mortgages | HELOC | Residential mortgages | HELOC |
| Ontario ⁽²⁾ | 63 % | 67 % | 63 % | 67 % | 64 % | 67 % |
| British Columbia and territories ⁽³⁾ | 60 | 64 | 59 | 63 | 60 | 63 |
| Alberta | 67 | 71 | 68 | 71 | 69 | 72 |
| Quebec | 67 | 72 | 68 | 73 | 69 | 72 |
| Central prairie provinces | 68 | 73 | 70 | 73 | 69 | 72 |
| Atlantic provinces | 72 | 74 | 72 | 74 | 72 | 73 |
| Canadian portfolio ⁽⁴⁾ | 64 % | 67 % | 64 % | 67 % | 64 % | 67 % |
| U.S. portfolio ⁽⁴⁾ | 68 % | 58 % | 69 % | 68 % | 66 % | 66 % |
| Other international portfolio ⁽⁴⁾ | 73 % | n/m | 73 % | n/m | 75 % | n/m |

(1) LTV ratios for newly originated residential mortgages and HELOCs are calculated based on weighted average.

(2) Average LTV ratios for our uninsured GTA residential mortgages originated during the quarter were 61% (October 31, 2018: 61%; January 31, 2018: 62%).

(3) Average LTV ratios for our uninsured GVA residential mortgages originated during the quarter were 56% (October 31, 2018: 55%; January 31, 2018: 57%).

(4) Geographic location is based on the address of the property.

n/m Not meaningful.

The following table provides the average LTV ratios on our total Canadian residential mortgage portfolio:

| | Insured | Uninsured |
|------------------------------------|---------|-----------|
| January 31, 2019 ⁽¹⁾⁽²⁾ | 55 % | 54 % |
| October 31, 2018 ⁽¹⁾⁽²⁾ | 54 % | 53 % |

(1) LTV ratios for residential mortgages are calculated based on weighted average. The house price estimates for January 31, 2019 and October 31, 2018 are based on the Forward Sortation Area (FSA) level indices from the Teranet – National Bank National Composite House Price Index (Teranet) as of December 31, 2018 and September 30, 2018, respectively. Teranet is an independent estimate of the rate of change in Canadian home prices.

(2) Average LTV ratio on our uninsured GTA residential mortgage portfolio was 51% (October 31, 2018: 51%). Average LTV ratio on our uninsured GVA residential mortgage portfolio was 44% (October 31, 2018: 43%).

The tables below summarize the remaining amortization profile of our total Canadian, U.S. and other international residential mortgages. The first table provides the remaining amortization periods based on the minimum contractual payment amounts. The second table provides the remaining amortization periods based upon current customer payment amounts, which incorporate payments other than the minimum contractual amount and/or a different frequency of payments.

Contractual payment basis

| | Less than 5 years | 5 – 10 years | 10 – 15 years | 15 – 20 years | 20 – 25 years | 25 – 30 years | 30 – 35 years | 35 years and above |
|-------------------------------|----------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Canadian portfolio | | | | | | | | |
| January 31, 2019 | – % | 1 % | 2 % | 5 % | 45 % | 47 % | – % | – % |
| October 31, 2018 | – % | 1 % | 2 % | 4 % | 44 % | 48 % | 1 % | – % |
| U.S. portfolio | | | | | | | | |
| January 31, 2019 | 1 % | 1 % | 4 % | 2 % | 10 % | 80 % | 2 % | – % |
| October 31, 2018 | 1 % | 1 % | 4 % | 2 % | 10 % | 80 % | 2 % | – % |
| Other international portfolio | | | | | | | | |
| January 31, 2019 | 7 % | 14 % | 24 % | 23 % | 19 % | 12 % | 1 % | – % |
| October 31, 2018 | 8 % | 16 % | 26 % | 22 % | 17 % | 11 % | – % | – % |

Current customer payment basis

| | Less than 5 years | 5 – 10 years | 10 – 15 years | 15 – 20 years | 20 – 25 years | 25 – 30 years | 30 – 35 years | 35 years and above |
|-------------------------------|----------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Canadian portfolio | | | | | | | | |
| January 31, 2019 | 2 % | 4 % | 6 % | 11 % | 37 % | 32 % | 5 % | 3 % |
| October 31, 2018 | 2 % | 4 % | 6 % | 11 % | 36 % | 33 % | 5 % | 3 % |
| U.S. portfolio | | | | | | | | |
| January 31, 2019 | 1 % | 5 % | 12 % | 11 % | 13 % | 55 % | 2 % | 1 % |
| October 31, 2018 | 2 % | 4 % | 13 % | 12 % | 13 % | 53 % | 2 % | 1 % |
| Other international portfolio | | | | | | | | |
| January 31, 2019 | 7 % | 14 % | 24 % | 23 % | 18 % | 12 % | 1 % | 1 % |
| October 31, 2018 | 7 % | 16 % | 25 % | 22 % | 17 % | 11 % | 1 % | 1 % |

On January 1, 2018, new OSFI B-20 guidelines became effective and included changes to qualifying interest rates for uninsured mortgages, more prescriptive guidance around the definitions of non-conforming loans, and enhancements to adjudication procedures.

Reflective of the regulatory measure noted above, in addition to changes in consumer behaviour, we expect our insured mortgage mix as a proportion of total mortgages to continue to decrease. We also continue to anticipate fewer and/or smaller originations going forward as the changes in rules continue to make it more difficult for certain Canadians to qualify for mortgages.

CIBC will continue to closely monitor actions which impact the Canadian housing market and the performance of our Canadian credit portfolios, and will take risk mitigation action as required.

We have two types of condominium exposures in Canada: mortgages and developer loans. Both are primarily concentrated in the Toronto and Vancouver areas. As at January 31, 2019, our Canadian condominium mortgages were \$24.3 billion (October 31, 2018: \$24.1 billion) of which 37% (October 31, 2018: 38%) were insured. Our drawn developer loans were \$1.5 billion (October 31, 2018: \$1.6 billion) or 1.2% (October 31, 2018: 1.3%) of our business and government portfolio, and our related undrawn exposure was \$3.2 billion (October 31, 2018: \$3.0 billion). The condominium developer exposure is diversified across 104 projects.

We stress test our mortgage and HELOC portfolio to determine the potential impact of different economic events. Our stress tests can use variables such as unemployment rates, debt service ratios and housing price changes, to model potential outcomes for a given set of circumstances. The stress testing involves variables that could behave differently in certain situations. Our main tests use economic variables in a similar range to historical events when Canada experienced economic downturns. Our results show that in an economic downturn, our strong capital position should be sufficient to absorb mortgage and HELOC losses.

Trading credit exposures

We have trading credit exposure (also called counterparty credit exposure) that arises from our OTC derivatives and our repo-style transactions. The nature of our derivatives exposure and how it is mitigated is described in Note 12 to the consolidated financial statements in our 2018 Annual Report. Our repo-style transactions consist of our securities bought or sold under repurchase agreements, and our securities borrowing and lending activity.

The following table shows the rating profile of OTC derivative mark-to-market (MTM) receivables:

| \$ billions, as at | 2019 Jan. 31 | | 2018 Oct. 31 | |
|----------------------|-------------------------|---------|-----------------|---------|
| | Exposure ⁽¹⁾ | | | |
| Investment grade | \$ 6.06 | 87.4 % | \$ 6.78 | 87.3 % |
| Non-investment grade | 0.86 | 12.4 | 0.97 | 12.5 |
| Watch list | 0.01 | 0.2 | 0.01 | 0.1 |
| Default | — | — | 0.01 | 0.1 |
| | \$ 6.93 | 100.0 % | \$ 7.77 | 100.0 % |

(1) MTM of OTC derivative contracts is after the impact of master netting agreements, but before any collateral.

Impaired loans

The following table provides details of our impaired loans and allowances for credit losses:

| \$ millions, as at or for the three months ended | 2019 Jan. 31 | | | 2018 Oct. 31 | | | 2018 Jan. 31 | | |
|---|-------------------------------|----------------|----------|-------------------------------|----------------|----------|-------------------------------|----------------|----------|
| | Business and government loans | Consumer loans | Total | Business and government loans | Consumer loans | Total | Business and government loans | Consumer loans | Total |
| Gross impaired loans⁽¹⁾ | | | | | | | | | |
| Balance at beginning of period under IAS 39 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 626 | \$ 684 | \$ 1,310 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | n/a | n/a | n/a | n/a | 27 | 195 | 222 |
| Balance at beginning of period under IFRS 9 | \$ 621 | \$ 859 | \$ 1,480 | \$ 781 | \$ 871 | \$ 1,652 | 653 | 879 | 1,532 |
| Classified as impaired during the period | 428 | 494 | 922 | 107 | 461 | 568 | 44 | 459 | 503 |
| Transferred to performing during the period | (21) | (87) | (108) | (43) | (116) | (159) | — | (97) | (97) |
| Net repayments | (93) | (122) | (215) | (84) | (123) | (207) | (33) | (159) | (192) |
| Amounts written off | (48) | (226) | (274) | (30) | (237) | (267) | (11) | (224) | (235) |
| Recoveries of loans and advances previously written off | — | — | — | — | — | — | — | — | — |
| Disposals of loans | (9) | — | (9) | (116) ⁽²⁾ | — | (116) | — | — | — |
| Purchased credit-impaired loans | — | — | — | — | — | — | — | — | — |
| Foreign exchange and other | (1) | (1) | (2) | 6 | 3 | 9 | (24) | (13) | (37) |
| Balance at end of period | \$ 877 | \$ 917 | \$ 1,794 | \$ 621 | \$ 859 | \$ 1,480 | \$ 629 | \$ 845 | \$ 1,474 |
| Allowance for credit losses – impaired loans | | | | | | | | | |
| Balance at beginning of period under IAS 39 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 191 | \$ 286 | \$ 477 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | n/a | n/a | n/a | n/a | 13 | (25) | (12) |
| Balance at beginning of period under IFRS 9 | \$ 230 | \$ 252 | \$ 482 | \$ 231 | \$ 263 | \$ 494 | 204 | 261 | 465 |
| Amounts written off | (48) | (226) | (274) | (30) | (237) | (267) | (11) | (224) | (235) |
| Recoveries of amounts written off in previous periods | 1 | 49 | 50 | 5 | 43 | 48 | 3 | 45 | 48 |
| Charge to income statement | 81 ⁽³⁾ | 194 | 275 | 70 | 189 | 259 | 26 | 176 | 202 |
| Interest accrued on impaired loans | (2) | (4) | (6) | (2) | (3) | (5) | (3) | (2) | (5) |
| Disposals of loans | — | — | — | (48) ⁽²⁾ | — | (48) | — | — | — |
| Transfers | — | — | — | — | — | — | — | — | — |
| Foreign exchange and other | (4) | 1 | (3) | 4 | (3) | 1 | (11) | (7) | (18) |
| Balance at end of period | \$ 258 | \$ 266 | \$ 524 | \$ 230 | \$ 252 | \$ 482 | \$ 208 | \$ 249 | \$ 457 |
| Net impaired loans⁽⁴⁾ | | | | | | | | | |
| Balance at beginning of period under IAS 39 | n/a | n/a | n/a | n/a | n/a | n/a | \$ 435 | \$ 398 | \$ 833 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | n/a | n/a | n/a | n/a | 14 | 220 | 234 |
| Balance at beginning of period under IFRS 9 | \$ 391 | \$ 607 | \$ 998 | \$ 550 | \$ 608 | \$ 1,158 | 449 | 618 | 1,067 |
| Net change in gross impaired | 256 | 58 | 314 | (160) | (12) | (172) | (24) | (34) | (58) |
| Net change in allowance | (28) | (14) | (42) | 1 | 11 | 12 | (4) | 12 | 8 |
| Balance at end of period | \$ 619 | \$ 651 | \$ 1,270 | \$ 391 | \$ 607 | \$ 998 | \$ 421 | \$ 596 | \$ 1,017 |
| Net impaired loans as a percentage of net loans and acceptances | 0.33 % | | | 0.26 % | | | 0.28 % | | |

(1) Effective November 1, 2017, all loans that are contractually 90 days in arrears are automatically classified as impaired and as stage 3 under IFRS 9, except for credit card loans which are classified as impaired and are fully written off when payments are contractually 180 days in arrears or at the earlier of the notice of bankruptcy, settlement proposal, or enlistment of credit counselling services. The determination of impairment was generally the same under IAS 39, except (i) residential mortgages guaranteed or insured by a Canadian government (federal or provincial) or a Canadian government agency were not classified as impaired until payments were contractually 365 days in arrears, and (ii) residential mortgages guaranteed or insured by a private insurer, or loans that were fully secured and in the process of collection were not classified as impaired until payments were contractually 180 days in arrears.

(2) Includes loans with a par value of \$116 million and ECL of \$48 million that were derecognized as a result of a debt restructuring agreement completed with the Government of Barbados on October 31, 2018.

(3) Excludes \$20 million of provision for credit losses on impaired business and government undrawn credit facilities and other off-balance sheet exposures.

(4) Effective November 1, 2017, net impaired loans are gross impaired loans net of stage 3 allowance for credit losses. In prior periods, net impaired loans was calculated by deducting the individual allowance and the portion of the collective allowance relating to impaired loans, which were generally loans that were past 90 days in arrears, from gross impaired loans.

n/a Not applicable.

Gross impaired loans

As at January 31, 2019, gross impaired loans were \$1,794 million, up \$320 million from the same quarter last year, primarily due to increases in the utilities, retail and wholesale, and financial institutions sectors, an increase in Canadian residential mortgages, and the impact of U.S. dollar appreciation on our existing portfolio. These factors were partially offset by reductions in residential mortgages relating to CIBC FirstCaribbean, a repayment in the oil and gas sector and a write-off in the U.S. real estate and construction sector.

Gross impaired loans were up \$314 million from the prior quarter, mainly due to increases in the utilities, retail and wholesale, and business services sectors, and an increase in Canadian residential mortgages.

52% of gross impaired loans related to Canada, of which the residential mortgages and personal lending portfolios accounted for the majority.

28% of gross impaired loans related to the U.S., of which the utilities, real estate and construction, education, health and social services, and financial institutions sectors accounted for the majority.

The remaining gross impaired loans related to CIBC FirstCaribbean, of which the residential mortgages and personal lending portfolios and the real estate and construction sector accounted for the majority.

Allowance for credit losses – impaired loans

Allowance for credit losses on impaired loans was \$524 million, up \$67 million from the same quarter last year, primarily due to increases in the retail and wholesale, and utilities sectors, an increase in the Canadian consumer lending portfolio, and the impact of U.S. dollar appreciation on our existing portfolio. These factors were partially offset by repayments and write-offs in the U.S. real estate and construction sector.

Allowance for credit losses on impaired loans was up \$42 million from the prior quarter, primarily due to increases in the utilities, retail and wholesale, and business services sectors, partially offset by repayments and write-offs in the U.S. real estate and construction sector.

Exposure to certain countries and regions

Europe

The following table provides our exposure to European countries, both within and outside the Eurozone.

Our direct exposures presented in the table below comprise (A) funded – on-balance sheet loans (stated at amortized cost net of stage 3 allowance for credit losses, if any), deposits with banks (stated at amortized cost net of stage 3 allowance for credit losses, if any) and securities (stated at carrying value); (B) unfunded – unutilized credit commitments, letters of credit, and guarantees (stated at notional amount net of stage 3 allowance for credit losses, if any); and (C) derivative MTM receivables (stated at fair value) and repo-style transactions (stated at fair value).

Of our total direct exposures to Europe, approximately 49% (October 31, 2018: 46%) is to entities in countries with Aaa/AAA ratings from at least one of Moody's Investors Service, Inc. (Moody's) or Standard & Poor's (S&P).

The following tables provide a summary of our positions in this business:

| \$ millions, as at January 31, 2019 | Direct exposures | | | | | | |
|-------------------------------------|------------------|-----------------|-----------------|------------------|-----------------|---------------|--------------------|
| | Funded | | | | Unfunded | | |
| | Corporate | Sovereign | Bank | Total funded (A) | Corporate | Bank | Total unfunded (B) |
| Austria | \$ – | \$ 448 | \$ 106 | \$ 554 | \$ – | \$ 1 | \$ 1 |
| Belgium | 12 | – | 14 | 26 | – | – | – |
| Finland | – | 1 | 64 | 65 | 82 | – | 82 |
| France | 28 | 23 | 129 | 180 | 131 | 15 | 146 |
| Germany | 166 | 1,113 | 828 | 2,107 | 160 | 33 | 193 |
| Ireland | 42 | – | 183 | 225 | 15 | – | 15 |
| Luxembourg | 5 | – | 1,523 | 1,528 | – | 37 | 37 |
| Netherlands | 368 | 357 | 250 | 975 | 151 | 53 | 204 |
| Spain | 3 | – | 9 | 12 | – | 11 | 11 |
| Total Eurozone | \$ 624 | \$ 1,942 | \$ 3,106 | \$ 5,672 | \$ 539 | \$ 150 | \$ 689 |
| Czech Republic | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – |
| Denmark | 3 | – | 44 | 47 | – | 55 | 55 |
| Norway | – | 211 | 332 | 543 | 613 | – | 613 |
| Sweden | 1 | 413 | 164 | 578 | 109 | – | 109 |
| Switzerland | 295 | – | 32 | 327 | 5 | – | 5 |
| Turkey | – | – | 46 | 46 | – | – | – |
| United Kingdom | 1,105 | 424 | 514 | 2,043 | 3,254 | 365 | 3,619 |
| Total non-Eurozone | \$ 1,404 | \$ 1,048 | \$ 1,132 | \$ 3,584 | \$ 3,981 | \$ 420 | \$ 4,401 |
| Total Europe | \$ 2,028 | \$ 2,990 | \$ 4,238 | \$ 9,256 | \$ 4,520 | \$ 570 | \$ 5,090 |
| October 31, 2018 | \$ 1,821 | \$ 2,686 | \$ 3,649 | \$ 8,156 | \$ 4,472 | \$ 482 | \$ 4,954 |

Direct exposures (continued)

| \$ millions, as at January 31, 2019 | Derivative MTM receivables and repo-style transactions | | | | | | Total direct exposure (A)+(B)+(C) |
|-------------------------------------|--|-----------------|------------------|-------------------------------|--------------------------------|------------------|-----------------------------------|
| | Corporate | Sovereign | Bank | Gross exposure ⁽¹⁾ | Collateral held ⁽²⁾ | Net exposure (C) | |
| Austria | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ 555 |
| Belgium | – | – | 10 | 10 | 10 | – | 26 |
| Finland | – | – | 52 | 52 | 48 | 4 | 151 |
| France | 21 | 10 | 1,538 | 1,569 | 1,522 | 47 | 373 |
| Germany | 10 | – | 693 | 703 | 649 | 54 | 2,354 |
| Ireland | – | – | 7,075 | 7,075 | 7,003 | 72 | 312 |
| Luxembourg | 1 | – | 294 | 295 | 269 | 26 | 1,591 |
| Netherlands | 30 | – | 128 | 158 | 108 | 50 | 1,229 |
| Spain | – | – | – | – | – | – | 23 |
| Total Eurozone | \$ 62 | \$ 10 | \$ 9,790 | \$ 9,862 | \$ 9,609 | \$ 253 | \$ 6,614 |
| Czech Republic | \$ – | \$ 1,379 | \$ – | \$ 1,379 | \$ 1,314 | \$ 65 | \$ 65 |
| Denmark | – | – | – | – | – | – | 102 |
| Norway | – | – | – | – | – | – | 1,156 |
| Sweden | 6 | – | 45 | 51 | 45 | 6 | 693 |
| Switzerland | 4 | – | 3,913 | 3,917 | 3,744 | 173 | 505 |
| Turkey | – | – | – | – | – | – | 46 |
| United Kingdom | 626 | 1,531 | 7,452 | 9,609 | 8,891 | 718 | 6,380 |
| Total non-Eurozone | \$ 636 | \$ 2,910 | \$ 11,410 | \$ 14,956 | \$ 13,994 | \$ 962 | \$ 8,947 |
| Total Europe | \$ 698 | \$ 2,920 | \$ 21,200 | \$ 24,818 | \$ 23,603 | \$ 1,215 | \$ 15,561 |
| October 31, 2018 | \$ 686 | \$ 1,568 | \$ 20,762 | \$ 23,016 | \$ 21,270 | \$ 1,746 | \$ 14,856 |

(1) The amounts are shown net of CVA.

(2) Collateral on derivative MTM receivables was \$0.9 billion (October 31, 2018: \$0.8 billion), collateral on repo-style transactions was \$22.7 billion (October 31, 2018: \$20.5 billion), and both are comprised of cash and investment grade debt securities.

We have \$336 million (October 31, 2018: \$465 million) of indirect exposure to European entities, as we hold debt or equity securities issued by European entities as collateral for our derivatives trades, or securities borrowing and lending activity, from counterparties that are not in Europe.

Selected exposure in certain activities

In response to the recommendations of the Financial Stability Board, this section provides information on a selected activity within our continuing and exited businesses that may be of particular interest to investors based on the risk characteristics and the current market environment. For additional information on selected exposures, refer to page 63 of the 2018 Annual Report.

U.S. real estate lending

In our U.S. Commercial Banking and Wealth Management SBU, we operate a full-service real estate platform which offers credit to mid-market clients. Once construction is complete, and the property is income producing, we may occasionally offer fixed-rate financing within a permanent financing program (typically with average terms of up to 10 years). This portfolio of permanent financing exposures, which is a small subset of our total U.S. real estate lending portfolio, serves as a warehouse for inclusion in future commercial mortgage-backed securities (CMBS) programs. We retain no exposure to those CMBS programs. As at January 31, 2019, the portfolio of permanent financing exposures was \$35 million (October 31, 2018: \$41 million).

Market risk

Market risk is the risk of economic financial loss in our trading and non-trading portfolios from adverse changes in underlying market factors, including interest rates, foreign exchange rates, equity market prices, commodity prices, credit spreads, and customer behaviour for retail products. Market risk arises in CIBC's trading and treasury activities, and encompasses all market related positioning and market making activity.

The trading book consists of positions in financial instruments and commodities held to meet the near-term needs of our clients.

The non-trading book consists of positions in various currencies that are related to asset/liability management and investment activities.

Risk measurement

The following table provides balances on the interim consolidated balance sheet that are subject to market risk. Certain differences between accounting and risk classifications are detailed in the footnotes below:

| \$ millions, as at | 2019 Jan. 31 | | | | 2018 Oct. 31 | | | | Non-traded risk primary risk sensitivity |
|--|----------------------------------|------------------------|-----------------|----------------------------------|----------------------------------|------------------------|-----------------|----------------------------------|--|
| | Consolidated balance sheet | Subject to market risk | | Not subject to market risk | Consolidated balance sheet | Subject to market risk | | Not subject to market risk | |
| | | Trading | Non- trading | | | Trading | Non- trading | | |
| Cash and non-interest-bearing deposits with banks | \$ 4,088 | \$ – | \$ 1,946 | \$ 2,142 | \$ 4,380 | \$ – | \$ 2,340 | \$ 2,040 | Foreign exchange |
| Interest-bearing deposits with banks | 12,484 | 417 | 12,067 | – | 13,311 | 96 | 13,215 | – | Interest rate |
| Securities | 109,027 | 51,378 | 57,649 | – | 101,664 | 49,784 | 51,880 | – | Equity, interest rate |
| Cash collateral on securities borrowed | 4,962 | – | 4,962 | – | 5,488 | – | 5,488 | – | Interest rate |
| Securities purchased under resale agreements | 51,886 | – | 51,886 | – | 43,450 | – | 43,450 | – | Interest rate |
| Loans | | | | | | | | | |
| Residential mortgages | 207,657 | – | 207,657 | – | 207,749 | – | 207,749 | – | Interest rate |
| Personal | 42,666 | – | 42,666 | – | 43,058 | – | 43,058 | – | Interest rate |
| Credit card | 12,477 | – | 12,477 | – | 12,673 | – | 12,673 | – | Interest rate |
| Business and government | 113,976 | 16,521 ⁽¹⁾ | 97,455 | – | 109,555 | 15,730 ⁽¹⁾ | 93,825 | – | Interest rate |
| Allowance for credit losses | (1,715) | – | (1,715) | – | (1,639) | – | (1,639) | – | Interest rate |
| Derivative instruments | 21,174 | 19,442 ⁽²⁾ | 1,732 | – | 21,431 | 19,132 ⁽²⁾ | 2,299 | – | Interest rate, foreign exchange |
| Customers' liability under acceptances | 10,011 | – | 10,011 | – | 10,265 | – | 10,265 | – | Interest rate |
| Other assets | 25,954 | 796 | 14,848 | 10,310 | 25,714 | 561 | 15,474 | 9,679 | Interest rate, equity, foreign exchange |
| | \$ 614,647 | \$ 88,554 | \$ 513,641 | \$ 12,452 | \$ 597,099 | \$ 85,303 | \$ 500,077 | \$ 11,719 | |
| Deposits | \$ 464,707 | \$ 437 ⁽³⁾ | \$ 418,193 | \$ 46,077 | \$ 461,015 | \$ 507 ⁽³⁾ | \$ 414,051 | \$ 46,457 | Interest rate |
| Obligations related to securities sold short | 15,435 | 15,418 | 17 | – | 13,782 | 13,731 | 51 | – | Interest rate |
| Cash collateral on securities lent | 2,660 | – | 2,660 | – | 2,731 | – | 2,731 | – | Interest rate |
| Obligations related to securities sold under repurchase agreements | 42,481 | – | 42,481 | – | 30,840 | – | 30,840 | – | Interest rate |
| Derivative instruments | 23,337 | 21,731 ⁽²⁾ | 1,606 | – | 20,973 | 19,013 ⁽²⁾ | 1,960 | – | Interest rate, foreign exchange |
| Acceptances | 10,051 | – | 10,051 | – | 10,296 | – | 10,296 | – | Interest rate |
| Other liabilities | 15,731 | 1,874 | 7,019 | 6,838 | 18,266 | 2,051 | 8,527 | 7,688 | Interest rate |
| Subordinated indebtedness | 4,162 | – | 4,162 | – | 4,080 | – | 4,080 | – | Interest rate |
| | \$ 578,564 | \$ 39,460 | \$ 486,189 | \$ 52,915 | \$ 561,983 | \$ 35,302 | \$ 472,536 | \$ 54,145 | |

(1) Excludes \$33 million (October 31, 2018: \$39 million) of loans that are warehoused for future securitization purposes. These are considered non-trading for market risk purposes.

(2) Excludes derivatives relating to run-off businesses which are considered non-trading for market risk purposes.

(3) Comprises FVO deposits which are considered trading for market risk purposes.

Trading activities

We hold positions in traded financial contracts to meet client investment and risk management needs. Trading revenue (net interest income or non-interest income) is generated from these transactions. Trading instruments are recorded at fair value and include debt and equity securities, as well as interest rate, foreign exchange, equity, commodity, and credit derivative products.

Value-at-risk

Our value-at-risk (VaR) methodology is a statistical technique that measures the potential overnight loss at a 99% confidence level. We use a full revaluation historical simulation methodology to compute VaR, stressed VaR and other risk measures.

The following three tables show VaR, stressed VaR and incremental risk charge (IRC) for our trading activities based on risk type under an internal models approach.

Average total VaR for the three months ended January 31, 2019 was up \$0.2 million from the prior quarter, primarily due to an increase in equity, credit spread and foreign exchange risks, partially offset by a decrease in interest rate, commodity and debt specific risks.

Average stressed total VaR for the three months ended January 31, 2019 was up \$8.6 million from the prior quarter, driven by increases in foreign exchange, credit spread, equity and interest rate risk. Positioning in the trading book is the primary cause of the increase in risk. During the current stressed VaR period from September 2, 2008 to August 31, 2009, the market exhibited not only increased volatility in interest rates but also increased volatility in equity prices, combined with a reduction in the level of interest rates, and an increase in credit spreads.

Average IRC for the three months ended January 31, 2019 was up \$50.6 million from the prior quarter, mainly due to an increase in fixed income trading inventory.

VaR by risk type – trading portfolio

| \$ millions, as at or for the three months ended | 2019 | | | | 2018 | | 2018 | |
|--|--------|--------|--------|---------|--------|---------|--------|---------|
| | High | Low | As at | Average | As at | Average | As at | Average |
| Interest rate risk | \$ 5.2 | \$ 2.8 | \$ 4.5 | \$ 4.1 | \$ 3.5 | \$ 4.9 | \$ 3.2 | \$ 4.4 |
| Credit spread risk | 1.8 | 0.9 | 1.1 | 1.3 | 1.6 | 1.0 | 0.7 | 0.8 |
| Equity risk | 7.5 | 2.3 | 2.7 | 3.5 | 3.7 | 2.7 | 2.3 | 2.6 |
| Foreign exchange risk | 2.3 | 0.6 | 1.5 | 1.3 | 1.3 | 1.0 | 1.8 | 2.4 |
| Commodity risk | 2.8 | 1.1 | 1.3 | 1.4 | 1.5 | 1.6 | 1.8 | 2.6 |
| Debt specific risk | 1.8 | 1.3 | 1.6 | 1.5 | 1.3 | 1.6 | 1.2 | 1.3 |
| Diversification effect ⁽¹⁾ | n/m | n/m | (7.7) | (7.8) | (7.9) | (7.7) | (6.8) | (8.9) |
| Total VaR (one-day measure) | \$ 8.3 | \$ 4.0 | \$ 5.0 | \$ 5.3 | \$ 5.0 | \$ 5.1 | \$ 4.2 | \$ 5.2 |

(1) Total VaR is less than the sum of the VaR of the different market risk types due to risk offsets resulting from a portfolio diversification effect.

n/m Not meaningful. It is not meaningful to compute a diversification effect because the high and low may occur on different days for different risk types.

Stressed VaR by risk type – trading portfolio

| \$ millions, as at or for the three months ended | 2019 | | | | 2018 | | 2018 | |
|--|---------|--------|---------|---------|---------|---------|---------|---------|
| | High | Low | As at | Average | As at | Average | As at | Average |
| Interest rate risk | \$ 25.1 | \$ 9.7 | \$ 17.6 | \$ 15.8 | \$ 14.2 | \$ 14.4 | \$ 11.8 | \$ 21.6 |
| Credit spread risk | 18.1 | 8.5 | 10.0 | 13.6 | 17.9 | 11.2 | 7.3 | 6.3 |
| Equity risk | 8.9 | 3.0 | 3.4 | 5.2 | 6.3 | 3.3 | 4.1 | 2.1 |
| Foreign exchange risk | 17.3 | 2.0 | 8.2 | 7.3 | 2.7 | 2.4 | 8.4 | 6.6 |
| Commodity risk | 4.6 | 1.3 | 2.3 | 2.6 | 2.5 | 2.1 | 2.5 | 3.1 |
| Debt specific risk | 7.3 | 4.9 | 5.9 | 6.0 | 6.3 | 5.2 | 4.0 | 3.3 |
| Diversification effect ⁽¹⁾ | n/m | n/m | (36.7) | (32.4) | (33.4) | (29.1) | (24.8) | (33.5) |
| Stressed total VaR (one-day measure) | \$ 42.0 | \$ 8.9 | \$ 10.7 | \$ 18.1 | \$ 16.5 | \$ 9.5 | \$ 13.3 | \$ 9.5 |

(1) Stressed total VaR is less than the sum of the VaR of the different market risk types due to risk offsets resulting from a portfolio diversification effect.

n/m Not meaningful. It is not meaningful to compute a diversification effect because the high and low may occur on different days for different risk types.

Incremental risk charge – trading portfolio

| \$ millions, as at or for the three months ended | 2019 | | | | 2018 | | 2018 | |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| | High | Low | As at | Average | As at | Average | As at | Average |
| Default risk | \$ 218.0 | \$ 168.1 | \$ 180.9 | \$ 193.8 | \$ 176.1 | \$ 153.8 | \$ 125.2 | \$ 116.0 |
| Migration risk | 73.5 | 45.5 | 67.2 | 57.3 | 53.1 | 46.7 | 44.2 | 65.7 |
| IRC (one-year measure) ⁽¹⁾ | \$ 279.1 | \$ 219.2 | \$ 248.1 | \$ 251.1 | \$ 229.2 | \$ 200.5 | \$ 169.4 | \$ 181.7 |

(1) High and low IRC are not equal to the sum of the constituent parts, because the highs and lows of the constituent parts may occur on different days.

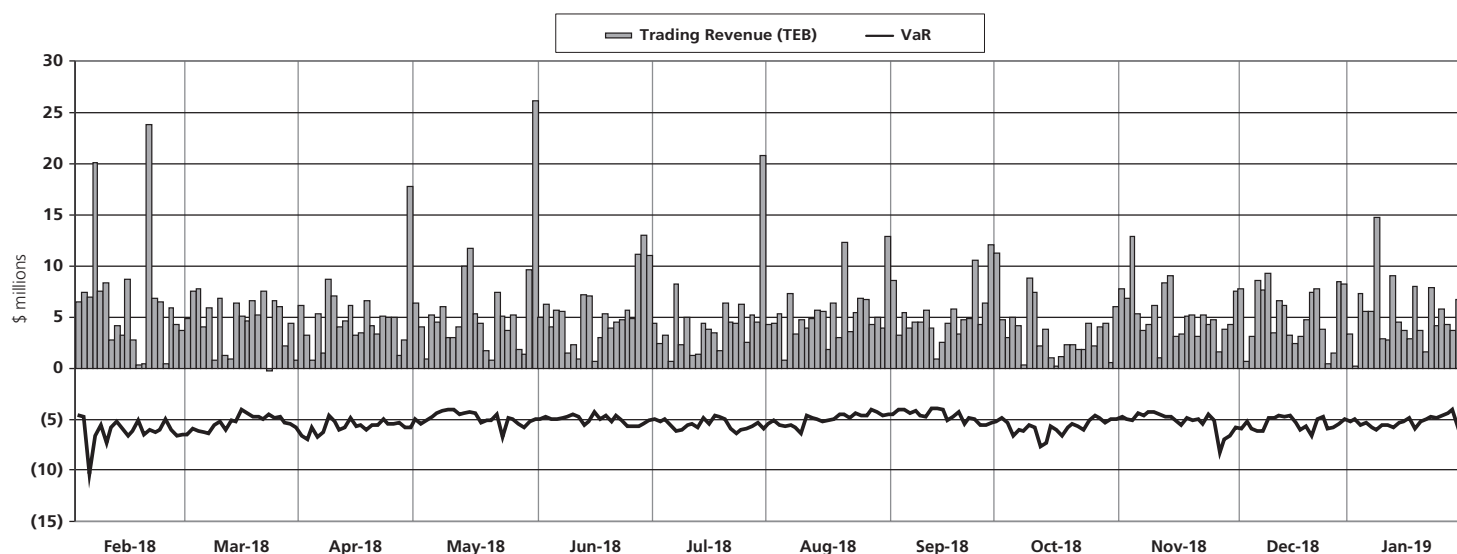
Trading revenue

Trading revenue (TEB) comprises both trading net interest income and non-interest income and excludes underwriting fees and commissions. Trading revenue (TEB) in the chart below excludes certain exited portfolios.

The trading revenue (TEB) versus VaR graph below shows the current quarter and the three previous quarters' daily trading revenue (TEB) against the close of business day VaR measures.

During the quarter, trading revenue (TEB) was positive for 100% of the days. The largest gain of \$14.7 million occurred on January 9, 2019. It was attributable to the normal course of business within our global markets line of business, notably in equity derivatives. Average daily trading revenue (TEB) was \$5.3 million during the quarter, and the average daily TEB was \$0.6 million.

Trading revenue (TEB)⁽¹⁾ versus VaR



(1) Excludes certain month-end transfer pricing and other miscellaneous adjustments.

Non-trading activities

Structural interest rate risk

Structural interest rate risk primarily consists of the risk arising due to mismatches in assets and liabilities, which do not arise from trading and trading related businesses. Interest rate risk results from differences in the maturities or repricing dates of assets and liabilities, both on- and off-balance sheet, as well as from embedded optionality in retail products. This optionality arises predominantly from the commitment and prepayment exposures of mortgage products, non-maturity deposits and some guaranteed investment certificates products with early redemption features. A variety of cash instruments and derivatives, primarily interest rate swaps, are used to manage these risks.

The following table shows the potential impact over the next 12 months, adjusted for structural assumptions (excluding shareholders' equity in the calculation of the present value of shareholders' equity), estimated prepayments and potential early withdrawals, of an immediate and sustained 100 basis point increase or decrease in all interest rates.

Structural interest rate sensitivity – measures

| \$ millions (pre-tax), as at | 2019 | | 2018 | | 2018 | |
|--|--------------------|-------|--------------------|-------|--------------------|-------|
| | Jan. 31 | | Oct. 31 | | Jan. 31 | |
| | CAD ⁽¹⁾ | USD | CAD ⁽¹⁾ | USD | CAD ⁽¹⁾ | USD |
| 100 basis point increase in interest rates | | | | | | |
| Increase (decrease) in net interest income | \$ 241 | \$ 50 | \$ 170 | \$ 32 | \$ 228 | \$ 47 |
| Increase (decrease) in present value of shareholders' equity | (418) | (286) | (396) | (230) | (340) | (106) |
| 100 basis point decrease in interest rates | | | | | | |
| Increase (decrease) in net interest income | (301) | (64) | (246) | (58) | (305) | (100) |
| Increase (decrease) in present value of shareholders' equity | 333 | 78 | 316 | 269 | 303 | 17 |

(1) Includes CAD and other currency exposures.

Liquidity risk

Liquidity risk is the risk of having insufficient cash or its equivalent in a timely and cost-effective manner to meet financial obligations as they come due. Common sources of liquidity risk inherent in banking services include unanticipated withdrawals of deposits, the inability to replace maturing debt, credit and liquidity commitments, and additional pledging or other collateral requirements.

CIBC's approach to liquidity risk management supports our business strategy, aligns with our risk appetite and adheres to regulatory expectations.

Our management strategies, objectives and practices are regularly reviewed to align with changes to the liquidity environment, including regulatory, business and/or market developments. Liquidity risk remains within CIBC's risk appetite.

Governance and management

We manage liquidity risk in a manner that enables us to withstand a liquidity stress event without an adverse impact on the viability of our operations. Actual and anticipated cash flows generated from on- and off-balance sheet exposures are routinely measured and monitored to ensure compliance with established limits. CIBC incorporates stress testing into its management and measurement of liquidity risk. Stress test results assist with the development of our liquidity assumptions, identification of potential constraints to funding planning, and contribute to the design of CIBC's contingency funding plan.

The Global Asset Liability Committee (GALCO) governs CIBC's liquidity risk management, ensuring the liquidity risk management methodologies, assumptions, and key metrics such as the Liquidity Horizon, are regularly reviewed and consider CIBC's business activities. The Liquidity Risk Management Committee, a subcommittee of GALCO, is responsible for ensuring that CIBC's liquidity risk profile is comprehensively measured and managed in alignment with CIBC's strategic direction, risk appetite and regulatory requirements.

The Risk Management Committee (RMC) approves CIBC's liquidity risk management policy, and recommends liquidity risk tolerance to the Board through the risk appetite statement.

Liquid assets

Available liquid assets include unencumbered cash and marketable securities from on- and off-balance sheet sources, that can be used to access funding in a timely fashion. Encumbered liquid assets, composed of assets pledged as collateral and those assets that are deemed restricted due to legal, operational, or other purposes, are not considered as sources of available liquidity when measuring liquidity risk.

Encumbered and unencumbered liquid assets from on- and off-balance sheet sources are summarized as follows:

| \$ millions, as at | | Bank owned liquid assets | Securities received as collateral | Total liquid assets | Encumbered liquid assets | Unencumbered liquid assets ⁽¹⁾ |
|--------------------|---|-----------------------------|--------------------------------------|------------------------|-----------------------------|--|
| 2019 | Cash and deposits with banks | \$ 16,572 | \$ – | \$ 16,572 | \$ 732 | \$ 15,840 |
| Jan. 31 | Securities issued or guaranteed by sovereigns, central banks, and multilateral development banks | 71,955 | 80,963 | 152,918 | 85,670 | 67,248 |
| | Other debt securities | 7,173 | 2,136 | 9,309 | 1,402 | 7,907 |
| | Equities | 25,365 | 18,133 | 43,498 | 27,077 | 16,421 |
| | Canadian government guaranteed National Housing Act mortgage-backed securities | 43,953 | 1,052 | 45,005 | 12,477 | 32,528 |
| | Other liquid assets ⁽²⁾ | 6,708 | 2,188 | 8,896 | 6,133 | 2,763 |
| | | \$ 171,726 | \$ 104,472 | \$ 276,198 | \$ 133,491 | \$ 142,707 |
| 2018 | Cash and deposits with banks | \$ 17,691 | \$ – | \$ 17,691 | \$ 686 | \$ 17,005 |
| Oct. 31 | Securities issued or guaranteed by sovereigns, central banks, and multilateral development banks | 67,478 | 74,933 | 142,411 | 75,431 | 66,980 |
| | Other debt securities | 6,684 | 2,092 | 8,776 | 1,240 | 7,536 |
| | Equities | 25,018 | 20,641 | 45,659 | 27,859 | 17,800 |
| | Canadian government guaranteed National Housing Act mortgage-backed securities | 39,465 | 834 | 40,299 | 10,182 | 30,117 |
| | Other liquid assets ⁽²⁾ | 6,500 | 1,598 | 8,098 | 6,621 | 1,477 |
| | | \$ 162,836 | \$ 100,098 | \$ 262,934 | \$ 122,019 | \$ 140,915 |

(1) Unencumbered liquid assets are defined as on-balance sheet assets, assets borrowed or purchased under resale agreements, and other off-balance sheet collateral received less encumbered liquid assets.

(2) Includes cash pledged as collateral for derivatives transactions, select asset-backed securities and precious metals.

The following table summarizes unencumbered liquid assets held by CIBC (parent) and its domestic and foreign subsidiaries:

| | 2019 | 2018 |
|-----------------------|------------|------------|
| \$ millions, as at | Jan. 31 | Oct. 31 |
| CIBC (parent) | \$ 104,625 | \$ 99,486 |
| Domestic subsidiaries | 10,976 | 15,988 |
| Foreign subsidiaries | 27,106 | 25,441 |
| | \$ 142,707 | \$ 140,915 |

Asset haircuts and monetization depth assumptions under a liquidity stress scenario are applied to determine asset liquidity value. Haircuts take into consideration those margins applicable at central banks – such as the Bank of Canada and the Federal Reserve Bank – historical observations, and securities characteristics including asset type, issuer, credit ratings, currency and remaining term to maturity, as well as available regulatory guidance.

Our unencumbered liquid assets increased by \$1.8 billion since October 31, 2018, primarily due to regular business activities, including deposit growth.

Furthermore, CIBC maintains access eligibility to the Bank of Canada's Emergency Lending Assistance program and the Federal Reserve Bank's Discount Window.

Asset encumbrance

In the course of CIBC's day-to-day operations, securities and other assets are pledged to secure obligations, participate in clearing and settlement systems and other collateral management purposes.

The following table provides a summary of our total on- and off-balance sheet encumbered and unencumbered assets:

| | | Encumbered | | Unencumbered | | Total assets |
|--------------------|--|-----------------------|----------------------|-------------------------|----------------------|--------------|
| | | Pledged as collateral | Other ⁽¹⁾ | Available as collateral | Other ⁽²⁾ | |
| \$ millions, as at | | | | | | |
| 2019 Jan. 31 | Cash and deposits with banks | \$ – | \$ 732 | \$ 15,840 | \$ – | \$ 16,572 |
| | Securities | 114,355 | 269 | 97,077 | – | 211,701 |
| | Loans, net of allowance ⁽³⁾ | 2,000 | 40,688 | 36,766 | 295,491 | 374,945 |
| | Other assets | 4,874 | – | 618 | 51,647 | 57,139 |
| | | \$ 121,229 | \$ 41,689 | \$ 150,301 | \$ 347,138 | \$ 660,357 |
| 2018 Oct. 31 | Cash and deposits with banks | \$ – | \$ 686 | \$ 17,005 | \$ – | \$ 17,691 |
| | Securities | 104,039 | 130 | 96,021 | – | 200,190 |
| | Loans, net of allowance ⁽³⁾ | 1,600 | 44,553 | 33,499 | 292,507 | 372,159 |
| | Other assets | 5,071 | – | 251 | 52,088 | 57,410 |
| | | \$ 110,710 | \$ 45,369 | \$ 146,776 | \$ 344,595 | \$ 647,450 |

(1) Includes assets supporting CIBC's long-term funding activities and assets restricted for legal or other reasons, such as restricted cash.

(2) Other unencumbered assets are not subject to any restrictions on their use to secure funding or as collateral, however they are not considered immediately available to existing borrowing programs.

(3) Loans included as available as collateral represent the loans underlying National Housing Act mortgage-backed securities and Federal Home Loan Banks eligible loans.

Restrictions on the flow of funds

Our subsidiaries are not subject to significant restrictions that would prevent transfers of funds, dividends or capital distributions. However, certain subsidiaries have different capital and liquidity requirements, established by applicable banking and securities regulators.

We monitor and manage our capital and liquidity requirements across these entities to ensure that resources are used efficiently and entities are in compliance with local regulatory and policy requirements.

Liquidity coverage ratio

The objective of the LCR is to promote short-term resilience of a bank's liquidity risk profile, ensuring that it has adequate unencumbered high quality liquid resources to meet its liquidity needs in a 30-day acute stress scenario. Canadian banks are required to achieve a minimum LCR value of 100%. CIBC is in compliance with this requirement.

In accordance with the calibration methodology contained in OSFI's liquidity adequacy requirements (LAR) guidelines, CIBC reports the LCR to OSFI on a monthly basis. The ratio is calculated as follows:

$$\frac{\text{Total High Quality Liquid Assets (HQLA)}}{\text{Total net cash outflows over the next 30 calendar days}} \geq 100\%$$

The LCR's numerator consists of unencumbered HQLA, which follow an OSFI-defined set of eligibility criteria that considers fundamental and market-related characteristics, and relative ability to operationally monetize assets on a timely basis during a period of stress. CIBC's centrally managed liquid asset portfolio includes those liquid assets reported in the HQLA, such as central government treasury bills and bonds, central bank deposits and high-rated sovereign, agency, provincial, and corporate securities. Asset eligibility limitations inherent in the LCR metric do not necessarily reflect CIBC's internal assessment of its ability to monetize its marketable assets under stress.

The ratio's denominator reflects net cash outflows expected in the LCR's stress scenario over the 30-calendar-day period. Expected cash outflows represent LCR-defined withdrawal or draw-down rates applied against outstanding liabilities and off-balance sheet commitments, respectively. Significant contributors to CIBC's LCR outflows include business and financial institution deposit run-off, draws on undrawn lines of credit and unsecured debt maturities. Cash outflows are partially offset by cash inflows, which are calculated at LCR-prescribed inflow rates, and include performing loan repayments and maturing non-HQLA marketable assets.

The LCR is disclosed using a standard OSFI-prescribed disclosure template.

| \$ millions, average of the three months ended January 31, 2019 | | Total unweighted value ⁽¹⁾ | Total weighted value ⁽²⁾ |
|---|---|---------------------------------------|-------------------------------------|
| HQLA | | | |
| 1 | HQLA | n/a | \$ 111,928 |
| Cash outflows | | | |
| 2 | Retail deposits and deposits from small business customers, of which: | \$ 151,955 | 10,131 |
| 3 | Stable deposits | 72,358 | 2,171 |
| 4 | Less stable deposits | 79,597 | 7,960 |
| 5 | Unsecured wholesale funding, of which: | 130,448 | 60,123 |
| 6 | Operational deposits (all counterparties) and deposits in networks of cooperative banks | 52,057 | 12,544 |
| 7 | Non-operational deposits (all counterparties) | 60,997 | 30,185 |
| 8 | Unsecured debt | 17,394 | 17,394 |
| 9 | Secured wholesale funding | n/a | 7,132 |
| 10 | Additional requirements, of which: | 93,361 | 25,970 |
| 11 | Outflows related to derivative exposures and other collateral requirements | 10,171 | 6,919 |
| 12 | Outflows related to loss of funding on debt products | 4,988 | 4,988 |
| 13 | Credit and liquidity facilities | 78,202 | 14,063 |
| 14 | Other contractual funding obligations | 2,475 | 2,475 |
| 15 | Other contingent funding obligations | 281,710 | 5,135 |
| 16 | Total cash outflows | 659,949 | 110,966 |
| Cash inflows | | | |
| 17 | Secured lending (e.g. reverse repos) | 66,707 | 9,984 |
| 18 | Inflows from fully performing exposures | 16,188 | 8,103 |
| 19 | Other cash inflows | 7,278 | 7,278 |
| 20 | Total cash inflows | \$ 90,173 | \$ 25,365 |
| | | | Total adjusted value |
| 21 | Total HQLA | n/a | \$ 111,928 |
| 22 | Total net cash outflows | n/a | \$ 85,601 |
| 23 | LCR | n/a | 131 % |
| \$ millions, average of the three months ended October 31, 2018 | | | Total adjusted value |
| 24 | Total HQLA | n/a | \$ 110,318 |
| 25 | Total net cash outflows | n/a | \$ 85,943 |
| 26 | LCR | n/a | 128 % |

(1) Unweighted inflow and outflow values are calculated as outstanding balances maturing or callable within 30 days of various categories or types of liabilities, off-balance sheet items or contractual receivables.

(2) Weighted values are calculated after the application of haircuts (for HQLA) and inflow and outflow rates prescribed by OSFI.

n/a Not applicable as per the LCR common disclosure template.

Our average LCR as at January 31, 2019 increased to 131% from 128% in the prior quarter, mainly due to an increase in HQLA.

CIBC considers the impact of its business decisions on the LCR and other liquidity risk metrics that it regularly monitors as part of a robust liquidity risk management function. Variables that can impact the ratio month-over-month include, but are not limited to, items such as wholesale funding activities and maturities, strategic balance sheet initiatives, and transactions and market conditions affecting collateral. Furthermore, CIBC reports the LCR to OSFI in multiple currencies, and thus measures the extent of potential currency mismatch under the ratio. CIBC predominantly operates in major currencies with deep and fungible foreign exchange markets.

Reporting of the LCR is calibrated centrally by CIBC's Treasury function, in conjunction with CIBC's SBUs and other functional groups.

Funding

CIBC funds its operations with client-sourced deposits, supplemented with a wide range of wholesale funding.

CIBC's principal approach aims to fund the balance sheet with deposits primarily raised from personal and commercial banking channels. Personal deposits accounted for \$172.8 billion as at January 31, 2019 (October 31, 2018: \$163.9 billion). CIBC maintains a foundation of relationship-based core deposits, whose stability is regularly evaluated through internally developed statistical assessments.

We routinely access a range of short-term and long-term secured and unsecured funding sources diversified by geography, depositor type, instrument, currency and maturity. We raise long-term funding from existing programs including covered bonds, asset securitizations and unsecured debt.

CIBC continuously evaluates opportunities to diversify into new funding products and investor segments in an effort to maximize funding flexibility and minimize concentration and financing costs. We regularly monitor wholesale funding levels and concentrations to internal limits consistent with our desired liquidity risk profile.

GALCO and RMC review and approve CIBC's funding plan, which incorporates projected asset and liability growth, funding maturities, and output from our liquidity position forecasting.

The following table provides the contractual maturity profile of CIBC's wholesale funding sources at their carrying values:

| \$ millions, as at January 31, 2019 | Less than 1 month | 1 – 3 months | 3 – 6 months | 6 – 12 months | Less than 1 year total | 1 – 2 years | Over 2 years | Total |
|---|----------------------|------------------|------------------|------------------|---------------------------|------------------|------------------|-------------------|
| Deposits from banks ⁽¹⁾ | \$ 1,268 | \$ 143 | \$ 50 | \$ 57 | \$ 1,518 | \$ – | \$ – | \$ 1,518 |
| Certificates of deposit and commercial paper | 5,105 | 11,234 | 15,784 | 17,808 | 49,931 | 1,540 | 398 | 51,869 |
| Bearer deposit notes and bankers' acceptances | 661 | 743 | 2,468 | 247 | 4,119 | – | – | 4,119 |
| Asset-backed commercial paper | – | – | – | – | – | – | – | – |
| Legacy senior unsecured medium-term notes ⁽²⁾ | – | 120 | 4,700 | 7,049 | 11,869 | 5,963 | 22,813 | 40,645 |
| Senior unsecured medium-term notes ⁽³⁾ | – | – | 4 | 9 | 13 | 80 | 1,479 | 1,572 |
| Senior unsecured structured notes | – | – | – | 283 | 283 | – | – | 283 |
| Covered bonds/asset-backed securities | | | | | | | | |
| Mortgage securitization | – | 574 | 509 | 1,100 | 2,183 | 2,668 | 11,862 | 16,713 |
| Covered bonds | 264 | 862 | – | 3,007 | 4,133 | 2,510 | 11,610 | 18,253 |
| Cards securitization | – | 1,314 | – | 723 | 2,037 | 2,109 | – | 4,146 |
| Subordinated liabilities | – | – | – | – | – | – | 4,162 | 4,162 |
| Other | – | 3 | 4 | 59 | 66 | – | 5 | 71 |
| | \$ 7,298 | \$ 14,993 | \$ 23,519 | \$ 30,342 | \$ 76,152 | \$ 14,870 | \$ 52,329 | \$ 143,351 |
| Of which: | | | | | | | | |
| Secured | \$ 264 | \$ 2,750 | \$ 509 | \$ 4,830 | \$ 8,353 | \$ 7,287 | \$ 23,472 | \$ 39,112 |
| Unsecured | 7,034 | 12,243 | 23,010 | 25,512 | 67,799 | 7,583 | 28,857 | 104,239 |
| | \$ 7,298 | \$ 14,993 | \$ 23,519 | \$ 30,342 | \$ 76,152 | \$ 14,870 | \$ 52,329 | \$ 143,351 |
| October 31, 2018 | \$ 12,815 | \$ 18,208 | \$ 20,495 | \$ 29,167 | \$ 80,685 | \$ 17,421 | \$ 52,711 | \$ 150,817 |

(1) Includes non-negotiable term deposits from banks.

(2) Includes senior debt issued prior to September 23, 2018 as well as senior debt issued on or after September 23, 2018 which is not subject to the bail-in regulations.

(3) Comprised of wholesale funding liabilities which are subject to conversion under bail-in regulations. See the "Capital resources" section for additional details.

CIBC's wholesale funding is diversified by currency as demonstrated in the table that follows:

| \$ billions, as at | 2019 Jan. 31 | | 2018 Oct. 31 | |
|--------------------|-----------------|--------------|-----------------|--------------|
| CAD | \$ 48.5 | 34 % | \$ 49.6 | 33 % |
| USD | 74.0 | 52 | 80.8 | 54 |
| Other | 20.9 | 14 | 20.4 | 13 |
| | \$ 143.4 | 100 % | \$ 150.8 | 100 % |

We manage liquidity risk in a manner that enables us to withstand severe liquidity stress events. Wholesale funding may present a higher risk of run-off in stress situations, and we maintain significant portfolios of unencumbered liquid assets to mitigate this risk. See the "Liquid assets" section for additional details.

Credit ratings

CIBC's access to and cost of wholesale funding are dependent on multiple factors, among them credit ratings provided by rating agencies. Rating agencies' opinions are based upon internal methodologies, and are subject to change based on factors including, but not limited to, financial strength, competitive position, macroeconomic backdrop and liquidity positioning.

Our credit ratings are summarized in the following table:

| As at January 31, 2019 | DBRS | Fitch | Moody's | S&P |
|---|--------|--------|---------|--------|
| Deposit/Counterparty ⁽¹⁾ | AA | AA- | Aa2 | A+ |
| Legacy senior debt ⁽²⁾ | AA | AA- | Aa2 | A+ |
| Senior debt ⁽³⁾ | AA(L) | AA- | A2 | BBB+ |
| Subordinated indebtedness | A(H) | A+ | Baa1 | BBB+ |
| Subordinated indebtedness – NVCC ⁽⁴⁾ | A(L) | A+ | Baa1 | BBB |
| Preferred shares – NVCC ⁽⁴⁾ | Pfd-2 | n/a | Baa3 | P-3(H) |
| Short-term debt | R-1(H) | F1+ | P-1 | A-1 |
| Outlook | Stable | Stable | Stable | Stable |

(1) DBRS Long-Term Issuer Rating; Moody's Long-Term Deposit and Counterparty Risk Assessment Rating; S&P's Issuer Credit Rating; Fitch Long-Term Issuer Default and Derivative Counterparty Rating.

(2) Includes senior debt issued prior to September 23, 2018 as well as senior debt issued on or after September 23, 2018 which is not subject to bail-in regulations.

(3) Comprised liabilities which are subject to conversion under bail-in regulations. See the "Capital resources" section for additional details.

(4) Comprised instruments which are treated as NVCC in accordance with OSFI's capital adequacy guidelines.

Additional collateral requirements for rating downgrades

We are required to deliver collateral to certain derivative counterparties in the event of a downgrade to our current credit risk rating. The collateral requirement is based on MTM exposure, collateral valuations, and collateral arrangement thresholds, as applicable. The following table presents the additional cumulative collateral requirements for rating downgrades:

| \$ billions, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|-----------------------|-----------------|--------------------|
| One-notch downgrade | \$ 0.1 | \$ 0.1 |
| Two-notch downgrade | 0.2 | 0.2 ⁽¹⁾ |
| Three-notch downgrade | 0.3 | 0.3 ⁽¹⁾ |

(1) Restated.

Regulatory developments concerning liquidity

OSFI's LAR guideline became effective in 2015. It is driven by the BCBS' liquidity standards, and includes the LCR, net stable funding ratio (NSFR) and other liquidity monitoring tools. It is further supplemented by the Net Cumulative Cash Flow (NCCF), an OSFI-designed supervisory tool. OSFI uses the LAR and associated metrics to assess individual banks' liquidity adequacy.

On October 31, 2014, the BCBS published its final NSFR guideline. In October 2017, OSFI provided updated draft NSFR guidance and is engaging industry participants and the public to review its NSFR implementation plans and to clarify details of the NSFR and its application to the Canadian financial industry. In February 2018, OSFI announced that the implementation of the NSFR for deposit-taking institutions will be January 2020.

Consistent with the requirements above, we submit the LCR and NCCF reports to OSFI on a monthly basis and the NSFR report quarterly. We provide the LCR and NSFR reports to the BCBS twice annually.

Contractual obligations

Contractual obligations give rise to commitments of future payments affecting our short- and long-term liquidity and capital resource needs. These obligations include financial liabilities, credit and liquidity commitments, and other contractual obligations.

Assets and liabilities

The following table provides the contractual maturity profile of our on-balance sheet assets, liabilities and equity at their carrying values. Contractual analysis is not representative of CIBC's liquidity risk exposure, however this information serves to inform CIBC's management of liquidity risk, and provide input when modelling a behavioural balance sheet.

| \$ millions, as at January 31, 2019 | Less than 1 month | 1 – 3 months | 3 – 6 months | 6 – 9 months | 9 – 12 months | 1 – 2 years | 2 – 5 years | Over 5 years | No specified maturity | Total |
|--|----------------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|-----------------|--------------------------|------------|
| Assets | | | | | | | | | | |
| Cash and non-interest-bearing deposits with banks | \$ 4,088 | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ 4,088 |
| Interest-bearing deposits with banks | 12,484 | – | – | – | – | – | – | – | – | 12,484 |
| Securities | 3,604 | 1,966 | 3,273 | 2,382 | 2,553 | 7,671 | 34,162 | 27,227 | 26,189 | 109,027 |
| Cash collateral on securities borrowed | 4,962 | – | – | – | – | – | – | – | – | 4,962 |
| Securities purchased under resale agreements | 29,121 | 9,985 | 9,142 | 774 | 186 | 2,678 | – | – | – | 51,886 |
| Loans | | | | | | | | | | |
| Residential mortgages | 1,993 | 5,305 | 11,803 | 10,863 | 10,686 | 53,838 | 104,478 | 8,313 | 378 | 207,657 |
| Personal | 540 | 733 | 996 | 867 | 1,048 | 223 | 1,717 | 2,304 | 34,238 | 42,666 |
| Credit card | 262 | 524 | 786 | 786 | 786 | 3,144 | 6,189 | – | – | 12,477 |
| Business and government | 12,017 | 3,600 | 4,969 | 2,822 | 5,209 | 15,997 | 38,630 | 13,180 | 17,552 | 113,976 |
| Allowance for credit losses | – | – | – | – | – | – | – | – | (1,715) | (1,715) |
| Derivative instruments | 2,170 | 2,040 | 1,031 | 1,024 | 1,554 | 2,120 | 4,626 | 6,609 | – | 21,174 |
| Customers' liability under acceptances | 8,610 | 1,265 | 130 | 6 | – | – | – | – | – | 10,011 |
| Other assets | – | – | – | – | – | – | – | – | 25,954 | 25,954 |
| | \$ 79,851 | \$ 25,418 | \$ 32,130 | \$ 19,524 | \$ 22,022 | \$ 85,671 | \$ 189,802 | \$ 57,633 | \$ 102,596 | \$ 614,647 |
| October 31, 2018 | \$ 71,919 | \$ 28,094 | \$ 22,273 | \$ 28,495 | \$ 19,833 | \$ 83,405 | \$ 187,178 | \$ 53,821 | \$ 102,081 | \$ 597,099 |
| Liabilities | | | | | | | | | | |
| Deposits ⁽¹⁾ | \$ 15,940 | \$ 26,990 | \$ 39,777 | \$ 31,174 | \$ 29,226 | \$ 25,183 | \$ 52,384 | \$ 8,947 | \$ 235,086 | \$ 464,707 |
| Obligations related to securities sold short | 15,435 | – | – | – | – | – | – | – | – | 15,435 |
| Cash collateral on securities lent | 2,660 | – | – | – | – | – | – | – | – | 2,660 |
| Obligations related to securities sold under repurchase agreements | 39,392 | 3,000 | – | 89 | – | – | – | – | – | 42,481 |
| Derivative instruments | 2,575 | 2,302 | 1,266 | 1,413 | 1,990 | 2,347 | 3,999 | 7,445 | – | 23,337 |
| Acceptances | 8,650 | 1,265 | 130 | 6 | – | – | – | – | – | 10,051 |
| Other liabilities | – | – | – | – | – | – | – | – | 15,731 | 15,731 |
| Subordinated indebtedness | – | – | – | – | – | – | – | 4,162 | – | 4,162 |
| Equity | – | – | – | – | – | – | – | – | 36,083 | 36,083 |
| | \$ 84,652 | \$ 33,557 | \$ 41,173 | \$ 32,682 | \$ 31,216 | \$ 27,530 | \$ 56,383 | \$ 20,554 | \$ 286,900 | \$ 614,647 |
| October 31, 2018 | \$ 78,258 | \$ 33,933 | \$ 36,399 | \$ 32,776 | \$ 27,726 | \$ 29,779 | \$ 56,793 | \$ 19,607 | \$ 281,828 | \$ 597,099 |

(1) Comprises \$172.8 billion (October 31, 2018: \$163.9 billion) of personal deposits of which \$161.2 billion (October 31, 2018: \$153.2 billion) are in Canada and \$11.6 billion (October 31, 2018: \$10.7 billion) are in other countries; \$278.8 billion (October 31, 2018: \$282.7 billion) of business and government deposits and secured borrowings of which \$208.4 billion (October 31, 2018: \$211.9 billion) are in Canada and \$70.4 billion (October 31, 2018: \$70.8 billion) are in other countries; and \$13.1 billion (October 31, 2018: \$14.4 billion) of bank deposits of which \$5.1 billion (October 31, 2018: \$5.9 billion) are in Canada and \$8.0 billion (October 31, 2018: \$8.5 billion) are in other countries.

The changes in the contractual maturity profile were primarily due to the natural migration of maturities and also reflect the impact of our regular business activities.

Credit-related commitments

The following table provides the contractual maturity of notional amounts of credit-related commitments. Since a significant portion of commitments are expected to expire without being drawn upon, the total of the contractual amounts is not representative of future liquidity requirements.

| \$ millions, as at January 31, 2019 | Less than 1 month | 1 – 3 months | 3 – 6 months | 6 – 9 months | 9 – 12 months | 1 – 2 years | 2 – 5 years | Over 5 years | No specified maturity ⁽¹⁾ | Total |
|--|----------------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|-----------------|---|------------|
| Securities lending ⁽²⁾ | \$ 36,177 | \$ 3,505 | \$ 8,000 | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ 47,682 |
| Unutilized credit commitments | 520 | 5,504 | 2,893 | 2,664 | 2,383 | 11,944 | 46,696 | 1,726 | 152,764 | 227,094 |
| Backstop liquidity facilities | 8,926 | 178 | 1,455 | 10 | – | 414 | – | 13 | – | 10,996 |
| Standby and performance letters of credit | 1,719 | 1,644 | 3,086 | 1,658 | 3,653 | 580 | 1,018 | 552 | – | 13,910 |
| Documentary and commercial letters of credit | 28 | 72 | 29 | 22 | 22 | 1 | 1 | – | – | 175 |
| | \$ 47,370 | \$ 10,903 | \$ 15,463 | \$ 4,354 | \$ 6,058 | \$ 12,939 | \$ 47,715 | \$ 2,291 | \$ 152,764 | \$ 299,857 |
| October 31, 2018 | \$ 43,053 | \$ 22,587 | \$ 11,367 | \$ 6,716 | \$ 4,879 | \$ 11,622 | \$ 47,445 | \$ 2,449 | \$ 150,139 | \$ 300,257 |

(1) Includes \$118.6 billion (October 31, 2018: \$116.5 billion) of personal, home equity and credit card lines, which are unconditionally cancellable at our discretion.

(2) Excludes securities lending of \$2.7 billion (October 31, 2018: \$2.7 billion) for cash because it is reported on the interim consolidated balance sheet.

Other contractual obligations

The following table provides the contractual maturities of other contractual obligations affecting our funding needs:

| \$ millions, as at January 31, 2019 | Less than 1 month | 1 – 3 months | 3 – 6 months | 6 – 9 months | 9 – 12 months | 1 – 2 years | 2 – 5 years | Over 5 years | Total |
|--------------------------------------|----------------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|-----------------|----------|
| Operating leases | \$ 42 | \$ 83 | \$ 125 | \$ 124 | \$ 122 | \$ 483 | \$ 1,279 | \$ 3,385 | \$ 5,643 |
| Purchase obligations ⁽¹⁾ | 75 | 229 | 177 | 180 | 153 | 477 | 679 | 116 | 2,086 |
| Pension contributions ⁽²⁾ | 16 | 32 | 49 | 49 | – | – | – | – | 146 |
| Underwriting commitments | 197 | – | – | – | – | – | – | – | 197 |
| Investment commitments | – | – | 2 | 2 | 5 | 2 | 3 | 167 | 181 |
| | \$ 330 | \$ 344 | \$ 353 | \$ 355 | \$ 280 | \$ 962 | \$ 1,961 | \$ 3,668 | \$ 8,253 |
| October 31, 2018 | \$ 331 | \$ 304 | \$ 370 | \$ 347 | \$ 342 | \$ 970 | \$ 1,964 | \$ 3,751 | \$ 8,379 |

(1) Obligations that are legally binding agreements whereby we agree to purchase products or services with specific minimum or baseline quantities defined at fixed, minimum or variable prices over a specified period of time are defined as purchase obligations. Purchase obligations are included through to the termination date specified in the respective agreements, even if the contract is renewable. Many of the purchase agreements for goods and services include clauses that would allow us to cancel the agreement prior to expiration of the contract within a specific notice period. However, the amount above includes our obligations without regard to such termination clauses (unless actual notice of our intention to terminate the agreement has been communicated to the counterparty). The table excludes purchases of debt and equity instruments that settle within standard market time frames.

(2) Includes estimated minimum funding contributions for our funded defined benefit pension plans in Canada, the U.S., the U.K., and the Caribbean. Estimated minimum funding contributions are included only for the next annual period as the minimum contributions are affected by various factors, such as market performance and regulatory requirements, and therefore are subject to significant variability.

Other risks

We also have policies and processes to measure, monitor and control other risks, including strategic, insurance, operational, technology, information and cyber security, reputation and legal, regulatory compliance, and environmental and social risks. These risks and related policies and processes have not changed significantly from those described on pages 76 to 78 of the 2018 Annual Report.

Accounting and control matters

Critical accounting policies and estimates

The interim consolidated financial statements have been prepared in accordance with International Accounting Standard (IAS) 34 “Interim Financial Reporting” using IFRS as issued by the International Accounting Standards Board. A summary of significant accounting policies is presented in Note 1 to our consolidated financial statements of our 2018 Annual Report. The interim consolidated financial statements have been prepared using the same accounting policies as CIBC’s consolidated financial statements as at and for the year ended October 31, 2018, except that CIBC adopted IFRS 15 “Revenue from Contracts with Customers” effective November 1, 2018 as described in Note 1 to our interim consolidated financial statements. The application of IFRS 15 has not had a material impact on our interim consolidated financial statements.

Certain accounting policies require us to make judgments and estimates, some of which may relate to matters that are uncertain. Changes in the judgments and estimates in the critical accounting policies discussed on pages 79 to 84 of our 2018 Annual Report could have a material impact on our financial results. No significant changes have occurred with respect to our critical accounting estimates since our 2018 Annual Report.

Accounting developments

For details on future accounting policy changes, refer to Note 1 to our interim consolidated financial statements and Note 31 to the consolidated financial statements included in our 2018 Annual Report.

Other regulatory developments

Reforms to interest rate benchmarks

Various interest rate and other indices that are deemed to be “benchmarks” (including the London Interbank Offered Rate (LIBOR)) are the subject of international regulatory guidance and proposals for reform. The U.K.’s Financial Conduct Authority announced in July 2017 that it would not compel banks to submit LIBOR rates after December 2021 and, therefore, this benchmark and others may be discontinued beyond that date. These reform pressures may cause current benchmarks to disappear entirely, perform differently than in the past, create disincentives for market participants to continue to administer and contribute to certain benchmarks, or have other consequences which cannot be predicted. Accordingly, this uncertainty in respect of relevant benchmarks may adversely affect the value of, return on, or trading market for contracts linked to any such benchmark. CIBC will continue to monitor developments in this area.

Controls and procedures

Disclosure controls and procedures

CIBC’s management, with the participation of the President and Chief Executive Officer and the Chief Financial Officer, has evaluated the effectiveness of CIBC’s disclosure controls and procedures as at January 31, 2019 (as defined in the rules of the SEC and the Canadian Securities Administrators). Based on that evaluation, the President and Chief Executive Officer and the Chief Financial Officer have concluded that such disclosure controls and procedures were effective.

Changes in internal control over financial reporting

There have been no changes in CIBC’s 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

There have been no significant changes to CIBC’s procedures and policies regarding related-party transactions since October 31, 2018. For additional information, refer to pages 85 and 171 of the 2018 Annual Report.

Interim consolidated financial statements

(Unaudited)

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Consolidated balance sheet

| Unaudited, millions of Canadian dollars, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|---|-------------------|-------------------|
| ASSETS | | |
| Cash and non-interest-bearing deposits with banks | \$ 4,088 | \$ 4,380 |
| Interest-bearing deposits with banks | 12,484 | 13,311 |
| Securities (Note 4) | 109,027 | 101,664 |
| Cash collateral on securities borrowed | 4,962 | 5,488 |
| Securities purchased under resale agreements | 51,886 | 43,450 |
| Loans (Note 5) | | |
| Residential mortgages | 207,657 | 207,749 |
| Personal | 42,666 | 43,058 |
| Credit card | 12,477 | 12,673 |
| Business and government | 113,976 | 109,555 |
| Allowance for credit losses | (1,715) | (1,639) |
| | 375,061 | 371,396 |
| Other | | |
| Derivative instruments | 21,174 | 21,431 |
| Customers' liability under acceptances | 10,011 | 10,265 |
| Land, buildings and equipment | 1,783 | 1,795 |
| Goodwill | 5,555 | 5,564 |
| Software and other intangible assets | 1,920 | 1,945 |
| Investments in equity-accounted associates and joint ventures | 520 | 526 |
| Deferred tax assets | 621 | 601 |
| Other assets | 15,555 | 15,283 |
| | 57,139 | 57,410 |
| | \$ 614,647 | \$ 597,099 |
| LIABILITIES AND EQUITY | | |
| Deposits (Note 6) | | |
| Personal | \$ 172,836 | \$ 163,879 |
| Business and government | 239,697 | 240,149 |
| Bank | 13,062 | 14,380 |
| Secured borrowings | 39,112 | 42,607 |
| | 464,707 | 461,015 |
| Obligations related to securities sold short | 15,435 | 13,782 |
| Cash collateral on securities lent | 2,660 | 2,731 |
| Obligations related to securities sold under repurchase agreements | 42,481 | 30,840 |
| Other | | |
| Derivative instruments | 23,337 | 20,973 |
| Acceptances | 10,051 | 10,296 |
| Deferred tax liabilities | 41 | 43 |
| Other liabilities | 15,690 | 18,223 |
| | 49,119 | 49,535 |
| Subordinated indebtedness | 4,162 | 4,080 |
| Equity | | |
| Preferred shares (Note 7) | 2,575 | 2,250 |
| Common shares (Note 7) | 13,350 | 13,243 |
| Contributed surplus | 131 | 136 |
| Retained earnings | 19,101 | 18,537 |
| Accumulated other comprehensive income (AOCI) | 752 | 777 |
| Total shareholders' equity | 35,909 | 34,943 |
| Non-controlling interests | 174 | 173 |
| Total equity | 36,083 | 35,116 |
| | \$ 614,647 | \$ 597,099 |

The accompanying notes and shaded sections in "MD&A – Management of risk" are an integral part of these interim consolidated financial statements.

Consolidated statement of income

| Unaudited, millions of Canadian dollars, except as noted, for the three months ended | 2019 Jan. 31 ⁽¹⁾ | 2018 Oct. 31 ⁽¹⁾ | 2018 Jan. 31 ⁽¹⁾ |
|---|--------------------------------|--------------------------------|--------------------------------|
| Interest income (Note 12) | | | |
| Loans | \$ 4,013 | \$ 3,764 | \$ 3,225 |
| Securities | 655 | 583 | 483 |
| Securities borrowed or purchased under resale agreements | 364 | 310 | 210 |
| Deposits with banks | 92 | 79 | 66 |
| | 5,124 | 4,736 | 3,984 |
| Interest expense (Note 12) | | | |
| Deposits | 2,142 | 1,852 | 1,278 |
| Securities sold short | 71 | 75 | 66 |
| Securities lent or sold under repurchase agreements | 258 | 224 | 121 |
| Subordinated indebtedness | 47 | 43 | 38 |
| Other | 10 | 3 | 8 |
| | 2,528 | 2,197 | 1,511 |
| Net interest income | 2,596 | 2,539 | 2,473 |
| Non-interest income | | | |
| Underwriting and advisory fees | 103 | 91 | 101 |
| Deposit and payment fees | 227 | 223 | 222 |
| Credit fees | 229 | 212 | 210 |
| Card fees | 117 | 128 | 130 |
| Investment management and custodial fees | 315 | 328 | 301 |
| Mutual fund fees | 393 | 406 | 409 |
| Insurance fees, net of claims | 112 | 105 | 110 |
| Commissions on securities transactions | 83 | 89 | 96 |
| Gains (losses) from financial instruments measured/designated at fair value through profit or loss (FVTPL), net | 176 | 191 | 138 |
| Gains (losses) from debt securities measured at fair value through other comprehensive income (FVOCI) and amortized cost, net | 4 | (58) | 8 |
| Foreign exchange other than trading | 91 | 64 | 101 |
| Income from equity-accounted associates and joint ventures | 22 | 27 | 29 |
| Other | 97 | 107 | 131 |
| | 1,969 | 1,913 | 1,986 |
| Total revenue | 4,565 | 4,452 | 4,459 |
| Provision for credit losses (Note 5) | 338 | 264 | 153 |
| Non-interest expenses | | | |
| Employee compensation and benefits | 1,400 | 1,353 | 1,461 |
| Occupancy costs | 220 | 228 | 217 |
| Computer, software and office equipment | 444 | 467 | 416 |
| Communications | 75 | 78 | 78 |
| Advertising and business development | 81 | 95 | 72 |
| Professional fees | 49 | 71 | 53 |
| Business and capital taxes | 32 | 26 | 28 |
| Other (Note 3) | 459 | 273 | 253 |
| | 2,760 | 2,591 | 2,578 |
| Income before income taxes | 1,467 | 1,597 | 1,728 |
| Income taxes (Note 9) | 285 | 329 | 400 |
| Net income | \$ 1,182 | \$ 1,268 | \$ 1,328 |
| Net income attributable to non-controlling interests | \$ 4 | \$ 2 | \$ 5 |
| Preferred shareholders | \$ 23 | \$ 24 | \$ 18 |
| Common shareholders | 1,155 | 1,242 | 1,305 |
| Net income attributable to equity shareholders | \$ 1,178 | \$ 1,266 | \$ 1,323 |
| Earnings per share (in dollars) (Note 10) | | | |
| Basic | \$ 2.61 | \$ 2.81 | \$ 2.96 |
| Diluted | 2.60 | 2.80 | 2.95 |
| Dividends per common share (in dollars) | 1.36 | 1.36 | 1.30 |

(1) Interest income included \$4.7 billion for the quarter ended January 31, 2019 (October 31, 2018: \$4.4 billion; January 31, 2018: \$3.7 billion) calculated based on the effective interest rate method.

The accompanying notes and shaded sections in "MD&A – Management of risk" are an integral part of these interim consolidated financial statements.

Consolidated statement of comprehensive income

| Unaudited, millions of Canadian dollars, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| Net income | \$ 1,182 | \$ 1,268 | \$ 1,328 |
| Other comprehensive income (loss) (OCI), net of income tax, that is subject to subsequent reclassification to net income | | | |
| Net foreign currency translation adjustments | | | |
| Net gains (losses) on investments in foreign operations | (66) | 340 | (1,562) |
| Net gains (losses) on hedges of investments in foreign operations | 38 | (159) | 980 |
| | (28) | 181 | (582) |
| Net change in debt securities measured at FVOCI | | | |
| Net gains (losses) on securities measured at FVOCI | 98 | (28) | (44) |
| Net (gains) losses reclassified to net income | (6) | – | (7) |
| | 92 | (28) | (51) |
| Net change in cash flow hedges | | | |
| Net gains (losses) on derivatives designated as cash flow hedges | 44 | (66) | 54 |
| Net (gains) losses reclassified to net income | (1) | 38 | (48) |
| | 43 | (28) | 6 |
| OCI, net of income tax, that is not subject to subsequent reclassification to net income | | | |
| Net gains (losses) on post-employment defined benefit plans | (135) | (95) | 107 |
| Net gains (losses) due to fair value change of FVO liabilities attributable to changes in credit risk | 10 | (8) | (3) |
| Net gains (losses) on equity securities designated at FVOCI | 2 | 10 | 14 |
| Total OCI⁽¹⁾ | (16) | 32 | (509) |
| Comprehensive income | \$ 1,166 | \$ 1,300 | \$ 819 |
| Comprehensive income attributable to non-controlling interests | \$ 4 | \$ 2 | \$ 5 |
| Preferred shareholders | \$ 23 | \$ 24 | \$ 18 |
| Common shareholders | 1,139 | 1,274 | 796 |
| Comprehensive income attributable to equity shareholders | \$ 1,162 | \$ 1,298 | \$ 814 |

(1) Includes \$13 million of gains for the quarter ended January 31, 2019 (October 31, 2018: \$3 million of losses; January 31, 2018: \$2 million of losses), relating to our investments in equity-accounted associates and joint ventures.

| Unaudited, millions of Canadian dollars, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| Income tax (expense) benefit allocated to each component of OCI | | | |
| Subject to subsequent reclassification to net income | | | |
| Net foreign currency translation adjustments | | | |
| Net gains (losses) on investments in foreign operations | \$ – | \$ (2) | \$ 48 |
| Net gains (losses) on hedges of investments in foreign operations | (2) | 5 | (120) |
| | (2) | 3 | (72) |
| Net change in debt securities measured at FVOCI | | | |
| Net gains (losses) on securities measured at FVOCI | (18) | 7 | 4 |
| Net (gains) losses reclassified to net income | 2 | – | 1 |
| | (16) | 7 | 5 |
| Net change in cash flow hedges | | | |
| Net gains (losses) on derivatives designated as cash flow hedges | (16) | 22 | (20) |
| Net (gains) losses reclassified to net income | 1 | (14) | 18 |
| | (15) | 8 | (2) |
| Not subject to subsequent reclassification to net income | | | |
| Net gains (losses) on post-employment defined benefit plans | 42 | 30 | (40) |
| Net gains (losses) due to fair value change of FVO liabilities attributable to changes in credit risk | (4) | 3 | 1 |
| Net gains (losses) on equity securities designated at FVOCI | – | (4) | (4) |
| | \$ 5 | \$ 47 | \$ (112) |

The accompanying notes and shaded sections in “MD&A – Management of risk” are an integral part of these interim consolidated financial statements.

Consolidated statement of changes in equity

Unaudited, millions of Canadian dollars, for the three months ended

| | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|---|-----------------|-----------------|-----------------|
| Preferred shares (Note 7) | | | |
| Balance at beginning of period | \$ 2,250 | \$ 2,250 | \$ 1,797 |
| Issue of preferred shares | 325 | — | 450 |
| Treasury shares | — | — | (1) |
| Balance at end of period | \$ 2,575 | \$ 2,250 | \$ 2,246 |
| Common shares (Note 7) | | | |
| Balance at beginning of period | \$ 13,243 | \$ 13,201 | \$ 12,548 |
| Issued pursuant to the acquisition of The PrivateBank | — | — | 194 |
| Issued pursuant to the acquisition of Wellington Financial | — | — | 47 |
| Other issue of common shares | 104 | 94 | 278 |
| Purchase of common shares for cancellation | — | (52) | — |
| Treasury shares | 3 | — | 3 |
| Balance at end of period | \$ 13,350 | \$ 13,243 | \$ 13,070 |
| Contributed surplus | | | |
| Balance at beginning of period | \$ 136 | \$ 133 | \$ 137 |
| Compensation expense arising from equity-settled share-based awards | 4 | 8 | 5 |
| Exercise of stock options and settlement of other equity-settled share-based awards | (9) | (4) | (10) |
| Other | — | (1) | 3 |
| Balance at end of period | \$ 131 | \$ 136 | \$ 135 |
| Retained earnings | | | |
| Balance at beginning of period before accounting policy changes | \$ 18,537 | n/a | \$ 16,101 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | (144) |
| Impact of adopting IFRS 15 at November 1, 2018 (Note 1) | 6 | n/a | n/a |
| Balance at beginning of period after accounting policy changes | 18,543 | \$ 18,051 | 15,957 |
| Net income attributable to equity shareholders | 1,178 | 1,266 | 1,323 |
| Dividends | | | |
| Preferred | (23) | (24) | (18) |
| Common | (603) | (602) | (574) |
| Premium on purchase of common shares for cancellation | — | (163) | — |
| Realized gains (losses) on equity securities designated at FVOCI reclassified from AOCI | 9 | 1 | 17 |
| Other ⁽¹⁾ | (3) | 8 | (4) |
| Balance at end of period | \$ 19,101 | \$ 18,537 | \$ 16,701 |
| AOCI, net of income tax | | | |
| AOCI, net of income tax, that is subject to subsequent reclassification to net income | | | |
| Net foreign currency translation adjustments | | | |
| Balance at beginning of period | \$ 1,024 | \$ 843 | \$ 738 |
| Net change in foreign currency translation adjustments | (28) | 181 | (582) |
| Balance at end of period | \$ 996 | \$ 1,024 | \$ 156 |
| Net gains (losses) on debt securities measured at FVOCI | | | |
| Balance at beginning of period under IAS 39 | n/a | n/a | \$ 60 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | (28) |
| Balance at beginning of period under IFRS 9 | \$ (139) | \$ (111) | 32 |
| Net change in securities measured at FVOCI | 92 | (28) | (51) |
| Balance at end of period | \$ (47) | \$ (139) | \$ (19) |
| Net gains (losses) on cash flow hedges | | | |
| Balance at beginning of period | \$ (18) | \$ 10 | \$ 33 |
| Net change in cash flow hedges | 43 | (28) | 6 |
| Balance at end of period | \$ 25 | \$ (18) | \$ 39 |
| AOCI, net of income tax, that is not subject to subsequent reclassification to net income | | | |
| Net gains (losses) on post-employment defined benefit plans | | | |
| Balance at beginning of period | \$ (143) | \$ (48) | \$ (369) |
| Net change in post-employment defined benefit plans | (135) | (95) | 107 |
| Balance at end of period | \$ (278) | \$ (143) | \$ (262) |
| Net gains (losses) due to fair value change of FVO liabilities attributable to changes in credit risk | | | |
| Balance at beginning of period | \$ (12) | \$ (4) | \$ (10) |
| Net change attributable to changes in credit risk | 10 | (8) | (3) |
| Balance at end of period | \$ (2) | \$ (12) | \$ (13) |
| Net gains (losses) on equity securities designated at FVOCI | | | |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | \$ 85 |
| Balance at beginning of period under IFRS 9 | \$ 65 | \$ 56 | 85 |
| Net gains (losses) on equity securities designated at FVOCI | 2 | 10 | 14 |
| Realized (gains) losses on equity securities designated at FVOCI reclassified to retained earnings ⁽²⁾ | (9) | (1) | (17) |
| Balance at end of period | \$ 58 | \$ 65 | \$ 82 |
| Total AOCI, net of income tax | \$ 752 | \$ 777 | \$ (17) |
| Non-controlling interests | | | |
| Balance at beginning of period under IAS 39 | n/a | n/a | \$ 202 |
| Impact of adopting IFRS 9 at November 1, 2017 | n/a | n/a | (4) |
| Balance at beginning of period under IFRS 9 | \$ 173 | \$ 173 | 198 |
| Net income attributable to non-controlling interests | 4 | 2 | 5 |
| Dividends | (2) | (2) | (4) |
| Other | (1) | — | (12) |
| Balance at end of period | \$ 174 | \$ 173 | \$ 187 |
| Equity at end of period | \$ 36,083 | \$ 35,116 | \$ 32,322 |

(1) Includes the recognition of loss carryforwards relating to foreign exchange translation amounts on CIBC's net investment in foreign operations that were previously reclassified to retained earnings as part of our transition to IFRS in 2012.

(2) Includes nil reclassified to retained earnings for the quarter ended January 31, 2019 (October 31, 2018: \$1 million of gains; January 31, 2018: \$10 million of gains), relating to our investments in equity-accounted associates and joint ventures.

n/a Not applicable.

The accompanying notes and shaded sections in "MD&A – Management of risk" are an integral part of these interim consolidated financial statements.

Consolidated statement of cash flows

| Unaudited, millions of Canadian dollars, for the three months ended | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|---|-----------------|-----------------|-----------------|
| Cash flows provided by (used in) operating activities | | | |
| Net income | \$ 1,182 | \$ 1,268 | \$ 1,328 |
| Adjustments to reconcile net income to cash flows provided by (used in) operating activities: | | | |
| Provision for credit losses | 338 | 264 | 153 |
| Amortization and impairment ⁽¹⁾ | 171 | 162 | 166 |
| Stock options and restricted shares expense | 4 | 8 | 5 |
| Deferred income taxes | – | (33) | 88 |
| Losses (gains) from debt securities measured at FVOCI and amortized cost | (4) | 58 | (8) |
| Net losses (gains) on disposal of land, buildings and equipment | – | – | (9) |
| Other non-cash items, net | (184) | 10 | (87) |
| Net changes in operating assets and liabilities | | | |
| Interest-bearing deposits with banks | 827 | 827 | (1,227) |
| Loans, net of repayments | (3,301) | (4,999) | (956) |
| Deposits, net of withdrawals | 2,350 | 1,151 | 7,389 |
| Obligations related to securities sold short | 1,653 | 1,630 | 1,534 |
| Accrued interest receivable | 65 | (176) | (5) |
| Accrued interest payable | (58) | 126 | (77) |
| Derivative assets | 242 | 467 | (5,111) |
| Derivative liabilities | 2,328 | (800) | 6,060 |
| Securities measured at FVTPL | (1,418) | (1,786) | 638 |
| Other assets and liabilities measured/designated at FVTPL | (138) | (452) | (1,224) |
| Current income taxes | (152) | 22 | (301) |
| Cash collateral on securities lent | (71) | 269 | (525) |
| Obligations related to securities sold under repurchase agreements | 11,641 | (2,145) | 5,758 |
| Cash collateral on securities borrowed | 526 | (405) | (1,954) |
| Securities purchased under resale agreements | (7,883) | 1,945 | (6,984) |
| Other, net | (2,302) | 1,377 | (2,058) |
| | 5,816 | (1,212) | 2,593 |
| Cash flows provided by (used in) financing activities | | | |
| Redemption/repurchase/maturity of subordinated indebtedness | – | (19) | – |
| Issue of preferred shares, net of issuance cost | 321 | – | 445 |
| Issue of common shares for cash | 38 | 43 | 70 |
| Purchase of common shares for cancellation | – | (215) | – |
| Net sale (purchase) of treasury shares | 3 | – | 2 |
| Dividends paid | (569) | (579) | (395) |
| | (207) | (770) | 122 |
| Cash flows provided by (used in) investing activities | | | |
| Purchase of securities measured/designated at FVOCI and amortized cost | (11,224) | (8,676) | (5,960) |
| Proceeds from sale of securities measured/designated at FVOCI and amortized cost | 3,755 | 6,865 | 682 |
| Proceeds from maturity of debt securities measured at FVOCI and amortized cost | 1,627 | 4,619 | 2,786 |
| Cash used in acquisitions, net of cash acquired | – | – | (315) |
| Net cash provided by dispositions of investments in equity-accounted associates and joint ventures | – | – | 83 |
| Net sale (purchase) of land, buildings and equipment | (55) | (132) | (40) |
| | (5,897) | 2,676 | (2,764) |
| Effect of exchange rate changes on cash and non-interest-bearing deposits with banks | (4) | 23 | (90) |
| Net increase (decrease) in cash and non-interest-bearing deposits with banks during the period | (292) | 717 | (139) |
| Cash and non-interest-bearing deposits with banks at beginning of period | 4,380 | 3,663 | 3,440 |
| Cash and non-interest-bearing deposits with banks at end of period ⁽²⁾ | \$ 4,088 | \$ 4,380 | \$ 3,301 |
| Cash interest paid | \$ 2,586 | \$ 2,071 | \$ 1,588 |
| Cash interest received | 5,019 | 4,402 | 3,791 |
| Cash dividends received | 170 | 158 | 188 |
| Cash income taxes paid | 437 | 340 | 613 |

(1) Comprises amortization and impairment of buildings, furniture, equipment, leasehold improvements, and software and other intangible assets.

(2) Includes restricted balance of \$497 million (October 31, 2018: \$438 million; January 31, 2018: \$397 million).

The accompanying notes and shaded sections in “MD&A – Management of risk” are an integral part of these interim consolidated financial statements.

Notes to the interim consolidated financial statements (Unaudited)

The interim consolidated financial statements of CIBC are prepared in accordance with Section 308(4) of the *Bank Act* (Canada), which states that, except as otherwise specified by the Office of the Superintendent of Financial Institutions (OSFI), the financial statements are to be prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board. There are no accounting requirements of OSFI that are exceptions to IFRS.

These interim consolidated financial statements have been prepared in accordance with International Accounting Standard (IAS) 34 "Interim Financial Reporting" and do not include all of the information required for full annual consolidated financial statements. Except as indicated below, these interim consolidated financial statements follow the same accounting policies and methods of application as CIBC's consolidated financial statements as at and for the year ended October 31, 2018.

All amounts in these interim consolidated financial statements are presented in Canadian dollars, unless otherwise indicated. These interim consolidated financial statements were authorized for issue by the Board of Directors on February 27, 2019.

Note 1. Changes in accounting policies

(a) Current period changes in accounting policies

IFRS 15 "Revenue From Contracts with Customers" (IFRS 15)

CIBC adopted IFRS 15 "Revenue from Contracts with Customers" (IFRS 15) as at November 1, 2018 in place of prior guidance, including IAS 18 "Revenue" (IAS 18) and IFRIC 13 "Customer Loyalty Programmes" (IFRIC 13). We applied IFRS 15 on a modified retrospective basis by recognizing a cumulative \$6 million after-tax credit from the initial application in opening November 1, 2018 retained earnings.

The new guidance includes a five-step, principles-based recognition and measurement approach, as well as requirements for accounting for contract costs, and enhanced quantitative and qualitative disclosure requirements. The application of this guidance involves the use of judgment. IFRS 15 excludes from its scope revenue related to financial instruments, lease contracts and insurance contracts. As a result, the majority of our revenue was not impacted by the adoption of this standard, including net interest income, net gains (losses) from financial instruments measured/designated at FVTPL and net gains (losses) from debt securities measured at FVOCI.

Measurement differences resulting from the adoption of IFRS 15 include the upfront expensing of previously deferred mutual fund sales commissions. In addition, the adoption of IFRS 15 has resulted in the revaluation of our credit card loyalty points liability, which is now subject to both upward and downward remeasurement to reflect the expected cost of redemption as this expectation changes over time. Previously, under IFRIC 13, decreases in the expected cost of redemptions were only recognized as points were redeemed, while increases were recognized immediately.

In addition, the adoption of IFRS 15 has resulted in changes to the presentation of certain revenue and expense items in the consolidated statement of income. Presentation differences include the net presentation of certain expenditures where CIBC is deemed the agent rather than the principal and the gross presentation of certain expenditures where CIBC is deemed the principal rather than the agent. Our prior period comparative consolidated financial statements are reported under the prior guidance, without restatement, however the measurement and presentation differences in the current period are not significant.

Our revised accounting policies in accordance with this adoption are effective November 1, 2018 and are discussed below.

Fee and commission income

The recognition of fee and commission income is determined by the purpose of the fee or commission and the terms specified in the contract with the customer. Revenue is recognized when, or as, a performance obligation is satisfied by transferring control of the service to the customer, in the amount of the consideration to which we expect to be entitled. Revenue may therefore be recognized at a point in time upon completion of the service or over time as the services are provided. When revenue is recognized over time, we are generally required to provide the services each period and we therefore measure our progress towards completion of the service based upon the time elapsed. When another party is involved in providing a service to a customer, we determine whether the nature of our performance obligation is that of a principal or an agent. If we control the service before it is transferred to the customer, we are acting as the principal and present revenue separately from the amount paid to the other party, otherwise we are the agent and present revenue net of the amount paid to the other party. Income which forms an integral part of the effective interest rate of a financial instrument continues to be recognized as an adjustment to the effective interest rate.

Underwriting and advisory fees are earned on debt and equity securities placements and transaction-based advisory services. Underwriting fees are typically recognized at the point in time when the transaction is completed. Advisory fees are generally recognized as revenue over the period of the engagement as the related services are provided or at the point in time when the transaction is completed.

Deposit and payment fees arise from personal and business deposit accounts and cash management services. Monthly and annual fees are recognized over the period that the related services are provided. Transactional fees are recognized at the point in time the related services are provided.

Credit fees consist of loan syndication fees, loan commitment fees, letter of credit fees, banker's acceptance stamping fees, and securitization fees. Credit fees are generally recognized over the period that the related services are provided, except for loan syndication fees, which are typically recognized at the point in time that the financing placement is completed.

Card fees primarily include interchange income, overlimit fees, cash advance fees, and annual fees. Card fees are recognized at the point in time the related services are provided, except for annual fees, which are recognized over the 12-month period to which they relate. The cost of credit card loyalty points is recognized as a reduction of interchange income when the loyalty points are issued for both self-managed and third party loyalty points programs. Credit card loyalty point liabilities are recognized for self-managed loyalty point programs and are subject to periodic remeasurement to reflect the expected cost of redemption as this expectation changes over time.

Commissions on securities transactions include brokerage commissions for transactions executed on behalf of clients, trailer fees and mutual fund sales commissions. Brokerage commissions and mutual fund sales commissions are generally recognized at the point in time that the related transaction is executed. Trailer fees are typically recognized over time based upon the daily net asset value of the mutual fund units held by clients.

Investment management fees are primarily based on the respective value of the assets under management (AUM) or assets under administration (AUA) and are recognized over the period that the related services are provided. Investment management fees relating to our asset management and private wealth management business are generally calculated based on point-in-time AUM balances, and investment management fees relating to our retail brokerage business are generally calculated based on point-in-time AUM or AUA balances. Custodial fees are recognized as revenue over the applicable service period, which is generally the contract term.

Mutual fund fees are earned on fund management services and are recognized over the period that the mutual funds are managed based upon the daily net asset values of the respective mutual funds.

(b) Future accounting policy changes

For details on future accounting policy changes, refer to Note 31 to the consolidated financial statements included in our 2018 Annual Report. We are continuing to evaluate the impact of standards that are effective for us after fiscal 2019.

Note 2. Fair value measurement

Fair value of financial instruments

| \$ millions, as at January 31 | | Carrying value | | | | Fair value | Fair value over (under) carrying value |
|-------------------------------|--|----------------|-------------------------------|---------------------|------------------------|------------|--|
| | | Amortized cost | Mandatorily measured at FVTPL | Designated at FVTPL | Fair value through OCI | | |
| 2019 | Financial assets | | | | | | |
| | Cash and deposits with banks | \$ 16,156 | \$ 416 | \$ – | \$ – | \$ 16,572 | \$ 16,572 |
| | Securities | 13,663 | 53,748 | 248 | 41,368 | 109,027 | 108,963 |
| | Cash collateral on securities borrowed | 4,962 | – | – | – | 4,962 | 4,962 |
| | Securities purchased under resale agreements | 48,011 | 3,875 | – | – | 51,886 | 51,886 |
| | Loans | | | | | | |
| | Residential mortgages | 207,426 | 7 | – | – | 207,433 | 206,866 |
| | Personal | 42,158 | – | – | – | 42,158 | 42,162 |
| | Credit card | 12,059 | – | – | – | 12,059 | 12,059 |
| | Business and government | 95,883 | 17,528 | – | – | 113,411 | 113,401 |
| | Derivative instruments | – | 21,174 | – | – | 21,174 | 21,174 |
| | Customers' liability under acceptances | 10,011 | – | – | – | 10,011 | 10,011 |
| | Other assets | 9,931 | – | – | – | 9,931 | 9,931 |
| | Financial liabilities | | | | | | |
| | Deposits | | | | | | |
| | Personal | \$ 171,859 | \$ – | \$ 977 | \$ – | \$ 172,836 | \$ 172,738 |
| | Business and government | 232,556 | – | 7,141 | – | 239,697 | 240,054 |
| | Bank | 13,062 | – | – | – | 13,062 | 13,062 |
| | Secured borrowings | 38,973 | – | 139 | – | 39,112 | 39,417 |
| | Derivative instruments | – | 23,337 | – | – | 23,337 | 23,337 |
| | Acceptances | 10,051 | – | – | – | 10,051 | 10,051 |
| | Obligations related to securities sold short | – | 15,435 | – | – | 15,435 | 15,435 |
| | Cash collateral on securities lent | 2,660 | – | – | – | 2,660 | 2,660 |
| | Obligations related to securities sold under repurchase agreements | 42,481 | – | – | – | 42,481 | 42,481 |
| | Other liabilities | 11,490 | 102 | 1 | – | 11,593 | 11,593 |
| | Subordinated indebtedness | 4,162 | – | – | – | 4,162 | 4,414 |

| \$ millions, as at October 31 | | Carrying value | | | | Fair value | Fair value over (under) carrying value |
|-------------------------------|--|----------------|-------------------------------|---------------------|------------------------|------------|--|
| | | Amortized cost | Mandatorily measured at FVTPL | Designated at FVTPL | Fair value through OCI | | |
| 2018 | Financial assets | | | | | | |
| | Cash and deposits with banks | \$ 17,637 | \$ 54 | \$ – | \$ – | \$ 17,691 | \$ 17,691 |
| | Securities | 12,876 | 52,394 | 184 | 36,210 | 101,664 | 101,507 |
| | Cash collateral on securities borrowed | 5,488 | – | – | – | 5,488 | 5,488 |
| | Securities purchased under resale agreements | 40,128 | 3,322 | – | – | 43,450 | 43,450 |
| | Loans | | | | | | |
| | Residential mortgages | 207,523 | 12 | – | – | 207,535 | 205,868 |
| | Personal | 42,577 | – | – | – | 42,577 | 42,559 |
| | Credit card | 12,255 | – | – | – | 12,255 | 12,255 |
| | Business and government | 92,605 | 16,424 | – | – | 109,029 | 108,917 |
| | Derivative instruments | – | 21,431 | – | – | 21,431 | 21,431 |
| | Customers' liability under acceptances | 10,265 | – | – | – | 10,265 | 10,265 |
| | Other assets | 10,230 | – | – | – | 10,230 | 10,230 |
| | Financial liabilities | | | | | | |
| | Deposits | | | | | | |
| | Personal | \$ 163,113 | \$ – | \$ 766 | \$ – | \$ 163,879 | \$ 163,642 |
| | Business and government | 233,174 | – | 6,975 | – | 240,149 | 240,374 |
| | Bank | 14,380 | – | – | – | 14,380 | 14,380 |
| | Secured borrowings | 42,481 | – | 126 | – | 42,607 | 42,868 |
| | Derivative instruments | – | 20,973 | – | – | 20,973 | 20,973 |
| | Acceptances | 10,296 | – | – | – | 10,296 | 10,296 |
| | Obligations related to securities sold short | – | 13,782 | – | – | 13,782 | 13,782 |
| | Cash collateral on securities lent | 2,731 | – | – | – | 2,731 | 2,731 |
| | Obligations related to securities sold under repurchase agreements | 30,840 | – | – | – | 30,840 | 30,840 |
| | Other liabilities | 13,030 | 95 | 17 | – | 13,142 | 13,142 |
| | Subordinated indebtedness | 4,080 | – | – | – | 4,080 | 4,340 |

The table below presents the level in the fair value hierarchy into which the fair values of financial instruments, that are carried at fair value on the interim consolidated balance sheet, are categorized:

| | Level 1 | | Level 2 | | Level 3 | | Total | Total |
|--|---------------------|-------------------|---|-----------------------|---|-----------------|--------------------|--------------------|
| | Quoted market price | | Valuation technique – observable market inputs | | Valuation technique – non-observable market inputs | | | |
| \$ millions, as at | 2019 Jan. 31 | 2018 Oct. 31 | 2019 Jan. 31 | 2018 Oct. 31 | 2019 Jan. 31 | 2018 Oct. 31 | 2019 Jan. 31 | 2018 Oct. 31 |
| Financial assets | | | | | | | | |
| Deposits with banks | \$ – | \$ – | \$ 416 | \$ 54 | \$ – | \$ – | \$ 416 | \$ 54 |
| Securities mandatorily measured and designated at FVTPL | | | | | | | | |
| Government issued or guaranteed | 3,949 | 4,264 | 17,062 ⁽¹⁾ | 16,328 ⁽¹⁾ | – | – | 21,011 | 20,592 |
| Corporate equity | 25,060 | 25,140 | 569 | 208 | 7 | 6 | 25,636 | 25,354 |
| Corporate debt | – | – | 4,154 | 3,675 | 24 | 26 | 4,178 | 3,701 |
| Mortgage- and asset-backed | – | – | 2,932 ⁽²⁾ | 2,612 ⁽²⁾ | 239 | 319 | 3,171 | 2,931 |
| | 29,009 | 29,404 | 24,717 | 22,823 | 270 | 351 | 53,996 | 52,578 |
| Loans mandatorily measured at FVTPL | | | | | | | | |
| Business and government | – | – | 16,735 | 15,942 | 793 | 482 | 17,528 | 16,424 |
| Residential mortgages | – | – | 7 | 12 | – | – | 7 | 12 |
| | – | – | 16,742 | 15,954 | 793 | 482 | 17,535 | 16,436 |
| Debt securities measured at FVOCI | | | | | | | | |
| Government issued or guaranteed | 3,367 | 2,844 | 28,359 | 24,763 | – | – | 31,726 | 27,607 |
| Corporate debt | – | – | 5,406 | 4,543 | – | – | 5,406 | 4,543 |
| Mortgage- and asset-backed | – | – | 3,683 | 3,498 | – | – | 3,683 | 3,498 |
| | 3,367 | 2,844 | 37,448 | 32,804 | – | – | 40,815 | 35,648 |
| Equity securities designated at FVOCI | | | | | | | | |
| Corporate equity | 40 | 42 | 232 | 235 | 281 | 285 | 553 | 562 |
| | 40 | 42 | 232 | 235 | 281 | 285 | 553 | 562 |
| Securities purchased under resale agreements measured at FVTPL | – | – | 3,875 | 3,322 | – | – | 3,875 | 3,322 |
| Derivative instruments | | | | | | | | |
| Interest rate | 7 | – | 7,236 | 5,593 | – | – | 7,243 | 5,593 |
| Foreign exchange | – | – | 9,053 | 9,303 | – | – | 9,053 | 9,303 |
| Credit | – | – | – | 3 | 112 | 115 | 112 | 118 |
| Equity | 1,306 | 1,727 | 1,196 | 1,783 | 264 | 107 | 2,766 | 3,617 |
| Precious metal | – | – | 283 | 206 | – | – | 283 | 206 |
| Other commodity | 396 | 143 | 1,321 | 2,451 | – | – | 1,717 | 2,594 |
| | 1,709 | 1,870 | 19,089 | 19,339 | 376 | 222 | 21,174 | 21,431 |
| Total financial assets | \$ 34,125 | \$ 34,160 | \$ 102,519 | \$ 94,531 | \$ 1,720 | \$ 1,340 | \$ 138,364 | \$ 130,031 |
| Financial liabilities | | | | | | | | |
| Deposits and other liabilities ⁽³⁾ | \$ – | \$ – | \$ (7,899) | \$ (7,556) | \$ (461) | \$ (423) | \$ (8,360) | \$ (7,979) |
| Obligations related to securities sold short | (4,786) | (4,443) | (10,649) | (9,339) | – | – | (15,435) | (13,782) |
| | (4,786) | (4,443) | (18,548) | (16,895) | (461) | (423) | (23,795) | (21,761) |
| Derivative instruments | | | | | | | | |
| Interest rate | – | – | (7,398) | (6,152) | (24) | (109) | (7,422) | (6,261) |
| Foreign exchange | – | – | (9,869) | (9,335) | – | – | (9,869) | (9,335) |
| Credit | – | – | (11) | (16) | (128) | (131) | (139) | (147) |
| Equity | (1,536) | (1,489) | (2,320) | (2,268) | (141) | (119) | (3,997) | (3,876) |
| Precious metal | – | – | (282) | (258) | – | – | (282) | (258) |
| Other commodity | (437) | (487) | (1,191) | (609) | – | – | (1,628) | (1,096) |
| | (1,973) | (1,976) | (21,071) | (18,638) | (293) | (359) | (23,337) | (20,973) |
| Total financial liabilities | \$ (6,759) | \$ (6,419) | \$ (39,619) | \$ (35,533) | \$ (754) | \$ (782) | \$ (47,132) | \$ (42,734) |

(1) Includes \$54 million related to securities designated at FVTPL (October 31, 2018: \$52 million).

(2) Includes \$194 million related to asset-backed securities designated at FVTPL (October 31, 2018: \$132 million).

(3) Comprises deposits designated at FVTPL of \$7,883 million (October 31, 2018: \$7,517 million), net bifurcated embedded derivative liabilities of \$374 million (October 31, 2018: \$350 million), other liabilities designated at FVTPL of \$1 million (October 31, 2018: \$17 million), and other financial liabilities measured at fair value of \$102 million (October 31, 2018: \$95 million).

Transfers between levels in the fair value hierarchy are deemed to have occurred at the beginning of the quarter in which the transfer occurred. Transfers between levels can occur as a result of additional or new information regarding valuation inputs and changes in their observability. During the quarter ended January 31, 2019, we transferred nil of securities mandatorily measured at FVTPL and \$431 million of securities sold short from Level 1 to Level 2 due to reduced observability in the inputs used to value these securities (for the quarter ended October 31, 2018, \$318 million of securities mandatorily measured at FVTPL and \$359 million of securities sold short were transferred from Level 1 to Level 2; for the quarter ended January 31, 2018, \$211 million of securities mandatorily measured at FVTPL and \$497 million securities sold short were transferred from Level 1 to Level 2). In addition, transfers between Level 2 and Level 3 were made during the quarters ended January 31, 2019, October 31, 2018 and January 31, 2018, primarily due to changes in the observability of certain market volatility inputs that were used in measuring the fair value of our embedded derivatives, as noted in the following table.

The following table presents the changes in fair value of financial assets and liabilities in Level 3. These instruments are measured at fair value utilizing non-observable market inputs. We often hedge positions with offsetting positions that may be classified in a different level. As a result, the gains and losses for assets and liabilities in the Level 3 category presented in the table below do not reflect the effect of offsetting gains and losses on the related hedging instruments that are classified in Level 1 and Level 2.

| \$ millions, for the three months ended | IAS 39 Opening balance | Reclassification upon adoption of IFRS 9 | IFRS 9 Opening balance | Net gains (losses) included in income ⁽¹⁾ | | | Net unrealized gains (losses) included in OCI ⁽⁴⁾ | Transfer in to Level 3 | Transfer out of Level 3 | Purchases | Issuances | Sales | Settlements | Closing balance |
|---|------------------------------|---|------------------------------|---|------------------------------|---------|--|------------------------------|-------------------------------|-----------|-----------|----------|-------------|--------------------|
| | | | | Realized ⁽²⁾ | Unrealized ⁽²⁾⁽³⁾ | | | | | | | | | |
| Jan. 31, 2019 | | | | | | | | | | | | | | |
| Securities mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Corporate equity | n/a | n/a | \$ 6 | \$ – | \$ 1 | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ 7 |
| Corporate debt | n/a | n/a | 26 | – | (2) | – | – | – | – | – | – | – | – | 24 |
| Mortgage- and asset-backed | n/a | n/a | 319 | – | – | – | – | – | – | – | – | – | (80) | 239 |
| Loans mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Business and government | n/a | n/a | 482 | – | (1) | – | – | – | – | 460 | 46 | (16) | (178) | 793 |
| Debt securities measured at FVOCI | | | | | | | | | | | | | | |
| Government issued or guaranteed | n/a | n/a | – | – | – | – | – | – | – | – | – | – | – | – |
| Corporate debt | n/a | n/a | – | – | – | – | – | – | – | – | – | – | – | – |
| Equity securities designated at FVOCI | | | | | | | | | | | | | | |
| Corporate equity | n/a | n/a | 285 | – | – | 5 | – | – | – | 12 | – | (21) | – | 281 |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | n/a | n/a | – | – | – | – | – | – | – | – | – | – | – | – |
| Credit | n/a | n/a | 115 | (1) | (2) | – | – | – | – | – | – | – | – | 112 |
| Equity | n/a | n/a | 107 | – | 14 | – | – | – | – | – | 146 | – | (3) | 264 |
| Total assets | n/a | n/a | \$ 1,340 | \$ (1) | \$ 10 | \$ 5 | \$ – | \$ – | \$ – | \$ 472 | \$ 192 | \$ (37) | \$ (261) | \$ 1,720 |
| Deposits and other liabilities ⁽⁵⁾ | n/a | n/a | \$ (423) | \$ – | \$ (6) | \$ – | \$ (19) | \$ 19 | \$ – | \$ – | \$ (45) | \$ – | \$ 13 | \$ (461) |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | n/a | n/a | (109) | – | 102 | – | – | – | – | – | – | – | (17) | (24) |
| Credit | n/a | n/a | (131) | 1 | 2 | – | – | – | – | – | – | – | – | (128) |
| Equity | n/a | n/a | (119) | – | (22) | – | – | – | – | – | (22) | – | 22 | (141) |
| Total liabilities | n/a | n/a | \$ (782) | \$ 1 | \$ 76 | \$ – | \$ (19) | \$ 19 | \$ – | \$ – | \$ (67) | \$ – | \$ 18 | \$ (754) |
| Oct. 31, 2018 | | | | | | | | | | | | | | |
| Securities mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Corporate equity | n/a | n/a | \$ 9 | \$ 2 | \$ (2) | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ (3) | \$ – | \$ 6 |
| Corporate debt | n/a | n/a | 25 | – | 1 | – | – | – | – | – | – | – | – | 26 |
| Mortgage- and asset-backed | n/a | n/a | 349 | – | – | – | – | – | – | 20 | – | – | (50) | 319 |
| Loans mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Business and government | n/a | n/a | 399 | – | – | 6 | – | (2) | 120 | 21 | (51) | (11) | 482 | |
| Debt securities measured at FVOCI | | | | | | | | | | | | | | |
| Government issued or guaranteed | n/a | n/a | 440 | – | – | 39 | – | – | – | – | – | (479) | – | – |
| Corporate debt | n/a | n/a | – | – | – | – | – | – | – | – | – | – | – | – |
| Equity securities designated at FVOCI | | | | | | | | | | | | | | |
| Corporate equity | n/a | n/a | 272 | – | – | 14 | – | – | 89 | – | (90) | – | 285 | |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | n/a | n/a | 2 | – | (2) | – | – | – | – | – | – | – | – | – |
| Credit | n/a | n/a | 114 | (1) | 2 | – | – | – | – | – | – | – | – | 115 |
| Equity | n/a | n/a | 28 | – | (5) | – | – | – | 85 | – | – | (1) | 107 | |
| Total assets | n/a | n/a | \$ 1,638 | \$ 1 | \$ (6) | \$ 59 | \$ – | \$ (2) | \$ 314 | \$ 21 | \$ (623) | \$ (62) | \$ 1,340 | |
| Deposits and other liabilities ⁽⁵⁾ | n/a | n/a | \$ (431) | \$ – | \$ 118 | \$ – | \$ (62) | \$ 5 | \$ – | \$ (80) | \$ – | \$ 27 | \$ (423) | |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | n/a | n/a | (78) | – | (40) | – | – | – | – | – | – | 9 | (109) | |
| Credit | n/a | n/a | (130) | 1 | (2) | – | – | – | – | – | – | – | – | (131) |
| Equity | n/a | n/a | (152) | – | 46 | – | – | – | – | (28) | – | 15 | (119) | |
| Total liabilities | n/a | n/a | \$ (791) | \$ 1 | \$ 122 | \$ – | \$ (62) | \$ 5 | \$ – | \$ (108) | \$ – | \$ 51 | \$ (782) | |
| Jan. 31, 2018 | | | | | | | | | | | | | | |
| Securities mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Corporate equity | \$ 32 | \$ – | \$ 32 | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ – | \$ (32) | \$ – | |
| Mortgage- and asset-backed | 3 | 707 | 710 | – | (1) | – | 12 | – | 61 | – | – | (94) | 688 | |
| Securities designated at FVTPL | | | | | | | | | | | | | | |
| Asset-backed | 94 | (94) | – | – | – | – | – | – | – | – | – | – | – | |
| Loans mandatorily measured at FVTPL | | | | | | | | | | | | | | |
| Business and government | 103 | 363 | 466 | – | (5) | (35) | – | – | 405 | 13 | (101) | (6) | 737 | |
| Debt securities measured at FVOCI | | | | | | | | | | | | | | |
| Corporate debt | 4 | – | 4 | (5) | 1 | – | – | – | 26 | – | – | – | 26 | |
| Mortgage- and asset-backed | 1,674 | (1,674) | – | – | – | – | – | – | – | – | – | – | – | |
| Equity securities designated at FVOCI | | | | | | | | | | | | | | |
| Corporate equity | 289 | – | 289 | (3) | (1) | (4) | – | – | 7 | – | (3) | – | 285 | |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | 28 | – | 28 | – | (3) | – | – | – | – | – | – | (8) | 17 | |
| Credit | 130 | – | 130 | (3) | (8) | – | – | – | – | – | – | – | 119 | |
| Equity | 38 | – | 38 | – | (10) | – | 12 | – | – | – | – | (6) | 34 | |
| Total assets | \$ 2,395 | \$ (698) | \$ 1,697 | \$ (11) | \$ (27) | \$ (39) | \$ 24 | \$ – | \$ 499 | \$ 13 | \$ (104) | \$ (146) | \$ 1,906 | |
| Deposits and other liabilities ⁽⁵⁾ | \$ (369) | \$ – | \$ (369) | \$ – | \$ (16) | \$ – | \$ (37) | \$ 20 | \$ – | \$ (51) | \$ – | \$ 23 | \$ (430) | |
| Derivative instruments | | | | | | | | | | | | | | |
| Interest rate | (20) | – | (20) | – | (19) | – | – | – | – | – | – | (3) | (42) | |
| Credit | (148) | – | (148) | 3 | 9 | – | – | – | – | – | – | 2 | (134) | |
| Equity | (77) | – | (77) | – | (24) | – | (71) | – | – | (28) | – | 19 | (181) | |
| Total liabilities | \$ (614) | \$ – | \$ (614) | \$ 3 | \$ (50) | \$ – | \$ (108) | \$ 20 | \$ – | \$ (79) | \$ – | \$ 41 | \$ (787) | |

(1) Cumulative AOCI gains or losses related to equity securities designated at FVOCI are reclassified from AOCI to retained earnings at the time of disposal or derecognition.

(2) Includes foreign currency gains and losses related to debt securities measured at FVOCI.

(3) Comprises unrealized gains and losses relating to these assets and liabilities held at the end of the reporting period.

(4) Foreign exchange translation on loans mandatorily measured at FVTPL held by foreign operations is included in OCI.

(5) Includes deposits designated at FVTPL of \$116 million (October 31, 2018: \$112 million; January 31, 2018: \$42 million) and net bifurcated embedded derivative liabilities of \$345 million (October 31, 2018: \$311 million; January 31, 2018: \$388 million).

n/a Not applicable.

Quantitative information about significant non-observable inputs and sensitivity of Level 3 financial assets and liabilities

During the quarter, there were no significant changes in the valuation techniques and the range of significant non-observable inputs used in measuring our Level 3 financial assets and liabilities. The impact of adjusting one or more of the non-observable inputs within a reasonably possible range on the fair value of our Level 3 financial assets and liabilities as at January 31, 2019 did not change significantly from the impact disclosed in the 2018 Annual Report.

Financial instruments designated at FVTPL (Fair value option)

A net gain of \$3 million, net of hedges was realized for FVO assets and FVO liabilities, which is included in the interim consolidated statement of income under Gains (losses) from financial instruments measured/designated at FVTPL, net (a net gain of \$7 million and \$9 million for the three months ended October 31, 2018 and January 31, 2018, respectively). The fair value of a FVO liability reflects the credit risk relating to that liability. For those FVO liabilities for which we believe changes in our credit risk would impact the fair value from the note holders' perspective, the related fair value changes were recognized in OCI. The pre-tax impact of changes in CIBC's own credit risk on our FVO liabilities was a gain of \$14 million for the three months ended January 31, 2019 (loss of \$12 million and loss of \$4 million for the three months ended October 31, 2018 and January 31, 2018, respectively) and a \$4 million pre-tax loss cumulatively.

Note 3. Significant transactions**Finalization of arrangement with Air Canada**

Following the close of Air Canada's acquisition of the Aeroplan loyalty business from Aimia Inc. on January 10, 2019, we will be offering credit cards under Air Canada's new loyalty program, which is expected to launch in 2020. This program will allow CIBC's Aeroplan cardholders to transfer their Aeroplan Miles to Air Canada's new loyalty program.

To secure our participation in Air Canada's new loyalty program for a period of 10 years, we paid Air Canada \$200 million plus applicable sales tax, which we recognized as an expense in the current quarter. In addition, we made a payment of \$92 million plus applicable sales tax as a prepayment to be applied towards future monthly payments in respect of Aeroplan Miles over a 10-year period.

Note 4. Securities

Securities

| \$ millions, as at | 2019 Jan. 31 | 2018 Oct. 31 |
|---|-------------------|-------------------|
| | Carrying amount | |
| Debt securities measured at FVOCI | \$ 40,815 | \$ 35,648 |
| Equity securities designated at FVOCI | 553 | 562 |
| Securities measured at amortized cost ⁽¹⁾ | 13,663 | 12,876 |
| Securities mandatorily measured and designated at FVTPL | 53,996 | 52,578 |
| | \$ 109,027 | \$ 101,664 |

(1) There were no sales of securities measured at amortized cost during the quarter.

Fair value of debt securities measured and equity securities designated at FVOCI

| \$ millions, as at | 2019 Jan. 31 | | | | 2018 Oct. 31 | | | |
|--|----------------------------------|------------------------------|-------------------------------|------------------|-------------------|------------------------------|-------------------------------|------------------|
| | Amortized cost ⁽¹⁾ | Gross unrealized gains | Gross unrealized losses | Fair value | Amortized cost | Gross unrealized gains | Gross unrealized losses | Fair value |
| Securities issued or guaranteed by: | | | | | | | | |
| Canadian federal government | \$ 7,359 | \$ 20 | \$ (2) | \$ 7,377 | \$ 6,608 | \$ 15 | \$ (3) | \$ 6,620 |
| Other Canadian governments | 10,815 | 32 | (3) | 10,844 | 9,220 | 31 | (2) | 9,249 |
| U.S. Treasury and agencies | 9,173 | 8 | (42) | 9,139 | 7,824 | 7 | (89) | 7,742 |
| Other foreign governments | 4,362 | 20 | (16) | 4,366 | 3,997 | 16 | (17) | 3,996 |
| Mortgage-backed securities | 3,663 | 5 | (26) | 3,642 | 3,476 | 5 | (51) | 3,430 |
| Asset-backed securities | 42 | — | (1) | 41 | 68 | — | — | 68 |
| Corporate debt | 5,418 | 3 | (15) | 5,406 | 4,567 | 2 | (26) | 4,543 |
| | 40,832 | 88 | (105) | 40,815 | 35,760 | 76 | (188) | 35,648 |
| Corporate public equity ⁽²⁾ | 35 | 13 | (6) | 42 | 34 | 14 | (5) | 43 |
| Corporate private equity | 433 | 90 | (12) | 511 | 434 | 100 | (15) | 519 |
| | 468 | 103 | (18) | 553 | 468 | 114 | (20) | 562 |
| | \$ 41,300 | \$ 191 | \$ (123) | \$ 41,368 | \$ 36,228 | \$ 190 | \$ (208) | \$ 36,210 |

(1) Net of allowance for credit losses for debt securities measured at FVOCI of \$23 million (October 31, 2018: \$23 million).

(2) Includes restricted stock.

Fair value of equity securities designated at FVOCI that were disposed of during the quarter was \$1 million (\$2 million and \$19 million for the three months ended October 31, 2018 and January 31, 2018, respectively). Net realized cumulative after-tax gains of \$9 million for the three months ended January 31, 2019 (nil and \$7 million for the three months ended October 31, 2018 and January 31, 2018, respectively) resulting from dispositions of certain equity securities designated at FVOCI and return on capital distributions from limited partnerships designated at FVOCI were reclassified from AOCI to retained earnings.

Dividend income recognized on equity securities designated at FVOCI that were still held as at January 31, 2019 was \$1 million (nil and \$1 million for the three months ended October 31, 2018 and January 31, 2018, respectively). Dividend income recognized on equity securities designated at FVOCI that were disposed of as at January 31, 2019 was nil (nil and nil for the three months ended October 31, 2018 and January 31, 2018, respectively).

Allowance for credit losses

The following tables provide a reconciliation of the opening balance to the closing balance of the expected credit loss (ECL) allowance under IFRS 9 "Financial Instruments" (IFRS 9) for debt securities measured at FVOCI:

| \$ millions, as at or for the three months ended | | Stage 1 | Stage 2 | Stage 3 | Total |
|--|--|--|--|---|-------|
| | | Collective provision 12-month ECL performing | Collective provision lifetime ECL performing | Collective and individual provision lifetime ECL credit-impaired | |
| 2019 | Debt securities measured at FVOCI | | | | |
| Jan. 31 | Balance at beginning of period | \$ 15 | \$ 3 | \$ 5 | \$ 23 |
| | Provision for (reversal of) credit losses ⁽¹⁾ | — | — | 4 | 4 |
| | Write-offs | — | — | (4) | (4) |
| | Foreign exchange and other | — | — | — | — |
| | Balance at end of period | \$ 15 | \$ 3 | \$ 5 | \$ 23 |
| 2018 | Debt securities measured at FVOCI | | | | |
| Oct. 31 | Balance at beginning of period | \$ 13 | \$ 6 | \$ 43 | \$ 62 |
| | Provision for (reversal of) credit losses ⁽¹⁾ | 2 | (3) | 61 | 60 |
| | Write-offs | — | — | — | — |
| | Foreign exchange and other | — | — | (99) ⁽²⁾ | (99) |
| | Balance at end of period | \$ 15 | \$ 3 | \$ 5 | \$ 23 |
| 2018 | Debt securities measured at FVOCI | | | | |
| Jan. 31 | Balance at beginning of period | \$ 14 | \$ 35 | \$ — | \$ 49 |
| | Provision for (reversal of) credit losses ⁽¹⁾ | 1 | (1) | 5 | 5 |
| | Write-offs | — | — | (5) | (5) |
| | Foreign exchange and other | (1) | (1) | — | (2) |
| | Balance at end of period | \$ 14 | \$ 33 | \$ — | \$ 47 |

(1) Included in the gains (losses) from debt securities measured at FVOCI and amortized cost, net on our consolidated statement of income.

(2) Includes ECL of \$99 million relating to Barbados debt securities that were derecognized in the fourth quarter of 2018 as a result of a debt restructuring agreement completed with the Government of Barbados.

Note 5. Loans

Allowance for credit losses⁽¹⁾

The following table provides a reconciliation of the opening balance to the closing balance of the ECL allowance under IFRS 9:

| | 2019 Jan. 31 | | | |
|--|---|---|--|-----------------|
| | \$ millions, as at or for the three months ended | | | |
| | Stage 1 Collective provision 12-month ECL performing | Stage 2 Collective provision lifetime ECL performing | Stage 3 Collective and individual provision lifetime ECL credit-impaired ⁽²⁾ | Total |
| Residential mortgages | | | | |
| Balance at beginning of period | \$ 27 | \$ 44 | \$ 143 | \$ 214 |
| Originations net of repayments and other derecognitions | 1 | (4) | (8) | (11) |
| Changes in model | – | – | – | – |
| Net remeasurement ⁽³⁾ | (11) | 11 | 29 | 29 |
| Transfers ⁽³⁾ | | | | |
| – to 12-month ECL | 11 | (7) | (4) | – |
| – to lifetime ECL performing | – | 5 | (5) | – |
| – to lifetime ECL credit-impaired | – | (1) | 1 | – |
| Provision for (reversal of) credit losses ⁽⁴⁾ | 1 | 4 | 13 | 18 |
| Write-offs | – | – | (5) | (5) |
| Recoveries | – | – | 1 | 1 |
| Interest income on impaired loans | – | – | (3) | (3) |
| Foreign exchange and other | 1 | (2) | – | (1) |
| Balance at end of period | \$ 29 | \$ 46 | \$ 149 | \$ 224 |
| Personal | | | | |
| Balance at beginning of period | \$ 190 | \$ 199 | \$ 109 | \$ 498 |
| Originations net of repayments and other derecognitions | 10 | (13) | – | (3) |
| Changes in model | 1 | – | 1 | 2 |
| Net remeasurement ⁽³⁾ | (54) | 89 | 72 | 107 |
| Transfers ⁽³⁾ | | | | |
| – to 12-month ECL | 49 | (48) | (1) | – |
| – to lifetime ECL performing | (14) | 18 | (4) | – |
| – to lifetime ECL credit-impaired | – | (19) | 19 | – |
| Provision for (reversal of) credit losses ⁽⁴⁾ | (8) | 27 | 87 | 106 |
| Write-offs | – | – | (96) | (96) |
| Recoveries | – | – | 17 | 17 |
| Interest income on impaired loans | – | – | (1) | (1) |
| Foreign exchange and other | – | – | 1 | 1 |
| Balance at end of period | \$ 182 | \$ 226 | \$ 117 | \$ 525 |
| Credit card | | | | |
| Balance at beginning of period | \$ 102 | \$ 370 | \$ – | \$ 472 |
| Originations net of repayments and other derecognitions | – | (12) | – | (12) |
| Changes in model | 1 | – | – | 1 |
| Net remeasurement ⁽³⁾ | (48) | 101 | 49 | 102 |
| Transfers ⁽³⁾ | | | | |
| – to 12-month ECL | 57 | (57) | – | – |
| – to lifetime ECL performing | (10) | 10 | – | – |
| – to lifetime ECL credit-impaired | – | (45) | 45 | – |
| Provision for (reversal of) credit losses ⁽⁴⁾ | – | (3) | 94 | 91 |
| Write-offs | – | – | (125) | (125) |
| Recoveries | – | – | 31 | 31 |
| Interest income on impaired loans | – | – | – | – |
| Foreign exchange and other | 1 | 2 | – | 3 |
| Balance at end of period | \$ 103 | \$ 369 | \$ – | \$ 472 |
| Business and government | | | | |
| Balance at beginning of period | \$ 180 | \$ 147 | \$ 230 | \$ 557 |
| Originations net of repayments and other derecognitions | 6 | (5) | (7) | (6) |
| Changes in model | – | – | 1 | 1 |
| Net remeasurement ⁽³⁾ | 16 | 15 | 97 | 128 |
| Transfers ⁽³⁾ | | | | |
| – to 12-month ECL | 15 | (14) | (1) | – |
| – to lifetime ECL performing | (2) | 3 | (1) | – |
| – to lifetime ECL credit-impaired | – | (12) | 12 | – |
| Provision for (reversal of) credit losses ⁽⁴⁾ | 35 | (13) | 101 | 123 |
| Write-offs | – | – | (48) | (48) |
| Recoveries | – | – | 1 | 1 |
| Interest income on impaired loans | – | – | (2) | (2) |
| Foreign exchange and other | (3) | – | (4) | (7) |
| Balance at end of period | \$ 212 | \$ 134 | \$ 278 | \$ 624 |
| Total ECL allowance ⁽¹⁾ | \$ 526 | \$ 775 | \$ 544 | \$ 1,845 |
| Comprises: | | | | |
| Loans | \$ 470 | \$ 721 | \$ 524 | \$ 1,715 |
| Undrawn credit facilities and other off-balance sheet exposures ⁽⁵⁾ | 56 | 54 | 20 | 130 |

(1) See Note 4 for the ECL allowance on debt securities measured at FVOCI. The ECL allowances for other financial assets classified at amortized cost were immaterial as at January 31, 2019 and were excluded from the table above. Other financial assets classified at amortized cost are presented on our interim consolidated balance sheet net of ECL allowances.

(2) Includes the ECL allowance for purchased credit-impaired loans from the acquisition of The PrivateBank.

(3) Transfers represent stage movements of prior period ECL allowances to the current period stage classification. Net remeasurement represents the current period change of ECL allowances for transfers, net write-offs, changes in forecasts of forward-looking information, parameter updates, and partial repayments in the period.

(4) Provision for (reversal of) credit losses for loans and undrawn credit facilities and other off-balance sheet exposures is presented as provision for (reversal of) credit losses on our interim consolidated statement of income.

(5) Included in other liabilities on our interim consolidated balance sheet.

Allowance for credit losses⁽¹⁾

The following table provides a reconciliation of the opening balance to the closing balance of the ECL allowance under IFRS 9:

| \$ millions, as at or for the three months ended | 2018 Oct. 31 | | | | 2018 Jan. 31 | | | |
|--|---|---|--|-----------------|---|---|--|-----------------|
| | Stage 1 Collective provision 12-month ECL performing | Stage 2 Collective provision lifetime ECL performing | Stage 3 Collective and individual provision lifetime ECL credit-impaired ⁽²⁾ | Total | Stage 1 Collective provision 12-month ECL performing | Stage 2 Collective provision lifetime ECL performing | Stage 3 Collective and individual provision lifetime ECL credit-impaired ⁽²⁾ | Total |
| Residential mortgages | | | | | | | | |
| Balance at beginning of period | \$ 31 | \$ 42 | \$ 146 | \$ 219 | \$ 28 | \$ 43 | \$ 151 | \$ 222 |
| Originations net of repayments and other derecognitions | 1 | (3) | (5) | (7) | 2 | (1) | (2) | (1) |
| Changes in model | (2) | 1 | 7 | 6 | — | — | — | — |
| Net remeasurement ⁽³⁾ | (7) | 4 | 17 | 14 | (8) | 3 | 12 | 7 |
| Transfers ⁽³⁾ | | | | | | | | |
| – to 12-month ECL | 6 | (5) | (1) | — | 3 | (2) | (1) | — |
| – to lifetime ECL performing | (1) | 4 | (3) | — | — | — | — | — |
| – to lifetime ECL credit-impaired | — | (1) | 1 | — | — | — | — | — |
| Provision for (reversal of) credit losses ⁽⁴⁾ | (3) | — | 16 | 13 | (3) | — | 9 | 6 |
| Write-offs | — | — | (15) | (15) | — | — | (13) | (13) |
| Recoveries | — | — | — | — | — | — | — | — |
| Interest income on impaired loans | — | — | (2) | (2) | — | — | (2) | (2) |
| Foreign exchange and other | (1) | 2 | (2) | (1) | — | (2) | (8) | (10) |
| Balance at end of period | \$ 27 | \$ 44 | \$ 143 | \$ 214 | \$ 25 | \$ 41 | \$ 137 | \$ 203 |
| Personal | | | | | | | | |
| Balance at beginning of period | \$ 182 | \$ 206 | \$ 117 | \$ 505 | \$ 164 | \$ 202 | \$ 110 | \$ 476 |
| Originations net of repayments and other derecognitions | 8 | (6) | (2) | — | 7 | (6) | (1) | — |
| Changes in model | (2) | — | (1) | (3) | — | — | — | — |
| Net remeasurement ⁽³⁾ | (35) | 39 | 79 | 83 | (16) | 24 | 66 | 74 |
| Transfers ⁽³⁾ | | | | | | | | |
| – to 12-month ECL | 49 | (47) | (2) | — | 26 | (26) | — | — |
| – to lifetime ECL performing | (12) | 15 | (3) | — | (3) | 3 | — | — |
| – to lifetime ECL credit-impaired | — | (7) | 7 | — | — | (8) | 8 | — |
| Provision for (reversal of) credit losses ⁽⁴⁾ | 8 | (6) | 78 | 80 | 14 | (13) | 73 | 74 |
| Write-offs | — | — | (97) | (97) | — | — | (88) | (88) |
| Recoveries | — | — | 13 | 13 | — | — | 16 | 16 |
| Interest income on impaired loans | — | — | (1) | (1) | — | — | — | — |
| Foreign exchange and other | — | (1) | (1) | (2) | (1) | — | 1 | — |
| Balance at end of period | \$ 190 | \$ 199 | \$ 109 | \$ 498 | \$ 177 | \$ 189 | \$ 112 | \$ 478 |
| Credit card | | | | | | | | |
| Balance at beginning of period | \$ 101 | \$ 366 | \$ — | \$ 467 | \$ 101 | \$ 413 | \$ — | \$ 514 |
| Originations net of repayments and other derecognitions | — | (8) | — | (8) | — | (4) | — | (4) |
| Changes in model | — | 2 | — | 2 | — | — | — | — |
| Net remeasurement ⁽³⁾ | (49) | 106 | 49 | 106 | (15) | 66 | 22 | 73 |
| Transfers ⁽³⁾ | | | | | | | | |
| – to 12-month ECL | 59 | (59) | — | — | 19 | (19) | — | — |
| – to lifetime ECL performing | (9) | 9 | — | — | (2) | 2 | — | — |
| – to lifetime ECL credit-impaired | — | (46) | 46 | — | — | (72) | 72 | — |
| Provision for (reversal of) credit losses ⁽⁴⁾ | 1 | 4 | 95 | 100 | 2 | (27) | 94 | 69 |
| Write-offs | — | — | (125) | (125) | — | — | (123) | (123) |
| Recoveries | — | — | 30 | 30 | — | — | 29 | 29 |
| Interest income on impaired loans | — | — | — | — | — | — | — | — |
| Foreign exchange and other | — | — | — | — | — | (1) | — | (1) |
| Balance at end of period | \$ 102 | \$ 370 | \$ — | \$ 472 | \$ 103 | \$ 385 | \$ — | \$ 488 |
| Business and government | | | | | | | | |
| Balance at beginning of period | \$ 185 | \$ 137 | \$ 231 | \$ 553 | \$ 234 | \$ 150 | \$ 204 | \$ 588 |
| Originations net of repayments and other derecognitions | 4 | (4) | (4) | (4) | 4 | (1) | (2) | 1 |
| Changes in model | (7) | (7) | 1 | (13) | — | — | — | — |
| Net remeasurement ⁽³⁾ | (23) | 34 | 77 | 88 | (26) | 2 | 27 | 3 |
| Transfers ⁽³⁾ | | | | | | | | |
| – to 12-month ECL | 21 | (19) | (2) | — | 10 | (10) | — | — |
| – to lifetime ECL performing | (3) | 6 | (3) | — | (6) | 6 | — | — |
| – to lifetime ECL credit-impaired | — | (1) | 1 | — | — | (1) | 1 | — |
| Provision for (reversal of) credit losses ⁽⁴⁾ | (8) | 9 | 70 | 71 | (18) | (4) | 26 | 4 |
| Write-offs | — | — | (30) | (30) | — | — | (11) | (11) |
| Recoveries | — | — | 5 | 5 | — | — | 3 | 3 |
| Interest income on impaired loans | — | — | (2) | (2) | — | — | (3) | (3) |
| Foreign exchange and other | 3 | 1 | (44) ⁽⁵⁾ | (40) | (9) | (3) | (11) | (23) |
| Balance at end of period | \$ 180 | \$ 147 | \$ 230 | \$ 557 | \$ 207 | \$ 143 | \$ 208 | \$ 558 |
| Total ECL allowance ⁽¹⁾ | \$ 499 | \$ 760 | \$ 482 | \$ 1,741 | \$ 512 | \$ 758 | \$ 457 | \$ 1,727 |
| Comprises: | | | | | | | | |
| Loans | \$ 450 | \$ 707 | \$ 482 | \$ 1,639 | \$ 460 | \$ 709 | \$ 457 | \$ 1,626 |
| Undrawn credit facilities and other off-balance sheet exposures ⁽⁶⁾ | 49 | 53 | — | 102 | 52 | 49 | — | 101 |

(1) See Note 4 for the ECL allowance on debt securities measured at FVOCI. The ECL allowances for other financial assets classified at amortized cost were immaterial as at October 31, 2018 and January 31, 2018 and were excluded from the table above. Other financial assets classified at amortized cost are presented on our interim consolidated balance sheet net of ECL allowances.

(2) Includes the ECL allowance for purchased credit-impaired loans from the acquisition of The PrivateBank.

(3) Transfers represent stage movements of prior period ECL allowances to the current period stage classification. Net remeasurement represents the current period change of ECL allowances for transfers, net write-offs, changes in forecasts of forward-looking information, parameter updates, and partial repayments in the period.

(4) Provision for (reversal of) credit losses for loans and undrawn credit facilities and other off-balance sheet exposures is presented as provision for (reversal of) credit losses on our interim consolidated statement of income.

(5) Includes ECL of \$48 million relating to Barbados loans that were derecognized in the quarter ending October 31, 2018 as a result of a debt restructuring agreement completed with the Government of Barbados.

(6) Included in other liabilities on our interim consolidated balance sheet.

The following tables provide the gross carrying amount of loans, and the contractual amounts of undrawn credit facilities and other off-balance sheet exposures based on the application of our 12-month point-in-time probability of default (PD) under IFRS 9 to our risk management PD bands for retail exposures, and based on our internal risk ratings for business and government exposures. Refer to the "Credit risk" section of the 2018 Annual Report for details on the CIBC risk categories.

Loans⁽¹⁾

| \$ millions, as at | 2019 Jan. 31 | | | | 2018 Oct. 31 | | | |
|---|-------------------|------------------|---------------------------|-------------------|-------------------|------------------|---------------------------|-------------------|
| | Stage 1 | Stage 2 | Stage 3 ⁽²⁾⁽³⁾ | Total | Stage 1 | Stage 2 | Stage 3 ⁽²⁾⁽³⁾ | Total |
| Residential mortgages | | | | | | | | |
| – Exceptionally low | \$ 140,904 | \$ – | \$ – | \$ 140,904 | \$ 141,556 | \$ – | \$ – | \$ 141,556 |
| – Very low | 39,833 | – | – | 39,833 | 40,225 | – | – | 40,225 |
| – Low | 15,629 | 890 | – | 16,519 | 15,321 | 798 | – | 16,119 |
| – Medium | 946 | 4,924 | – | 5,870 | 859 | 4,905 | – | 5,764 |
| – High | 233 | 1,150 | – | 1,383 | – | 996 | – | 996 |
| – Default | – | – | 559 | 559 | – | – | 510 | 510 |
| – Not rated | 2,185 | 235 | 169 | 2,589 | 2,163 | 249 | 167 | 2,579 |
| Gross residential mortgages ⁽⁴⁾⁽⁵⁾ | 199,730 | 7,199 | 728 | 207,657 | 200,124 | 6,948 | 677 | 207,749 |
| ECL allowance | 29 | 46 | 149 | 224 | 27 | 44 | 143 | 214 |
| Net residential mortgages | 199,701 | 7,153 | 579 | 207,433 | 200,097 | 6,904 | 534 | 207,535 |
| Personal | | | | | | | | |
| – Exceptionally low | 23,168 | – | – | 23,168 | 23,808 | – | – | 23,808 |
| – Very low | 3,804 | 1,341 | – | 5,145 | 3,813 | 1,374 | – | 5,187 |
| – Low | 6,205 | 718 | – | 6,923 | 5,954 | 702 | – | 6,656 |
| – Medium | 4,262 | 1,294 | – | 5,556 | 4,428 | 1,151 | – | 5,579 |
| – High | 232 | 730 | – | 962 | 245 | 691 | – | 936 |
| – Default | – | – | 148 | 148 | – | – | 142 | 142 |
| – Not rated | 701 | 22 | 41 | 764 | 677 | 33 | 40 | 750 |
| Gross personal ⁽⁵⁾ | 38,372 | 4,105 | 189 | 42,666 | 38,925 | 3,951 | 182 | 43,058 |
| ECL allowance | 168 | 223 | 117 | 508 | 176 | 196 | 109 | 481 |
| Net personal | 38,204 | 3,882 | 72 | 42,158 | 38,749 | 3,755 | 73 | 42,577 |
| Credit card | | | | | | | | |
| – Exceptionally low | 2,839 | – | – | 2,839 | 3,405 | – | – | 3,405 |
| – Very low | 2,188 | 50 | – | 2,238 | 1,747 | 50 | – | 1,797 |
| – Low | 3,798 | 708 | – | 4,506 | 3,809 | 710 | – | 4,519 |
| – Medium | 990 | 1,210 | – | 2,200 | 1,011 | 1,241 | – | 2,252 |
| – High | 9 | 523 | – | 532 | 10 | 528 | – | 538 |
| – Default | – | – | – | – | – | – | – | – |
| – Not rated | 162 | – | – | 162 | 162 | – | – | 162 |
| Gross credit card | 9,986 | 2,491 | – | 12,477 | 10,144 | 2,529 | – | 12,673 |
| ECL allowance | 89 | 329 | – | 418 | 88 | 330 | – | 418 |
| Net credit card | 9,897 | 2,162 | – | 12,059 | 10,056 | 2,199 | – | 12,255 |
| Business and government | | | | | | | | |
| – Investment grade | 43,604 | 203 | – | 43,807 | 42,532 | 221 | – | 42,753 |
| – Non-investment grade | 71,673 | 4,061 | – | 75,734 | 68,798 | 3,818 | – | 72,616 |
| – Watchlist | 147 | 1,200 | – | 1,347 | 145 | 1,120 | – | 1,265 |
| – Default | – | – | 763 | 763 | – | – | 504 | 504 |
| – Not rated | 2,090 | 132 | 114 | 2,336 | 2,397 | 168 | 117 | 2,682 |
| Gross business and government ⁽⁴⁾⁽⁶⁾ | 117,514 | 5,596 | 877 | 123,987 | 113,872 | 5,327 | 621 | 119,820 |
| ECL allowance | 184 | 123 | 258 | 565 | 159 | 137 | 230 | 526 |
| Net business and government | 117,330 | 5,473 | 619 | 123,422 | 113,713 | 5,190 | 391 | 119,294 |
| Total net amount of loans | \$ 365,132 | \$ 18,670 | \$ 1,270 | \$ 385,072 | \$ 362,615 | \$ 18,048 | \$ 998 | \$ 381,661 |

(1) Other financial assets classified at amortized cost were excluded from the table above as their ECL allowances were immaterial as at January 31, 2019. In addition, the table excludes debt securities measured at FVOCI, for which ECL allowances of \$23 million were recognized in AOCI (October 31, 2018: \$23 million).

(2) Includes purchased credit-impaired loans from the acquisition of The PrivateBank.

(3) Excludes foreclosed assets of \$20 million (October 31, 2018: \$14 million) which were included in Other assets on our interim consolidated balance sheet.

(4) Includes \$7 million (October 31, 2018: \$12 million) of residential mortgages and \$17,528 million (October 31, 2018: \$16,424 million) of business and government loans that are measured at FVTPL.

(5) The internal risk rating grades presented for residential mortgages and certain personal loans do not take into account loan guarantees or insurance issued by the Canadian government (federal or provincial), Canadian government agencies, or private insurers, as the determination of whether a significant increase in credit risk has occurred for these loans is based on relative changes in the loans' lifetime PD without considering collateral or other credit enhancements.

(6) Includes customers' liability under acceptances of \$10,011 million (October 31, 2018: \$10,265 million).

Undrawn credit facilities and other off-balance sheet exposures

| \$ millions, as at | 2019 Jan. 31 | | | | 2018 Oct. 31 | | | |
|---|-----------------|----------|---------|------------|-----------------|----------|---------|------------|
| | Stage 1 | Stage 2 | Stage 3 | Total | Stage 1 | Stage 2 | Stage 3 | Total |
| Retail | | | | | | | | |
| – Exceptionally low | \$ 100,240 | \$ – | \$ – | \$ 100,240 | \$ 100,772 | \$ – | \$ – | \$ 100,772 |
| – Very low | 11,410 | 1,035 | – | 12,445 | 10,217 | 1,014 | – | 11,231 |
| – Low | 8,346 | 1,631 | – | 9,977 | 7,873 | 1,612 | – | 9,485 |
| – Medium | 1,689 | 1,181 | – | 2,870 | 1,729 | 1,188 | – | 2,917 |
| – High | 255 | 431 | – | 686 | 234 | 417 | – | 651 |
| – Default | – | – | 12 | 12 | – | – | 13 | 13 |
| – Not rated | 347 | 24 | – | 371 | 348 | 33 | – | 381 |
| Gross retail | 122,287 | 4,302 | 12 | 126,601 | 121,173 | 4,264 | 13 | 125,450 |
| ECL allowance | 28 | 43 | – | 71 | 28 | 43 | – | 71 |
| Net retail | 122,259 | 4,259 | 12 | 126,530 | 121,145 | 4,221 | 13 | 125,379 |
| Business and government | | | | | | | | |
| – Investment grade | 79,407 | 541 | – | 79,948 | 78,672 | 390 | – | 79,062 |
| – Non-investment grade | 42,849 | 1,184 | – | 44,033 | 41,727 | 1,198 | – | 42,925 |
| – Watchlist | 74 | 397 | – | 471 | 75 | 402 | – | 477 |
| – Default | – | – | 226 | 226 | – | – | 7 | 7 |
| – Not rated | 832 | 64 | – | 896 | 735 | 51 | – | 786 |
| Gross business and government | 123,162 | 2,186 | 226 | 125,574 | 121,209 | 2,041 | 7 | 123,257 |
| ECL allowance | 28 | 11 | 20 | 59 | 21 | 10 | – | 31 |
| Net business and government | 123,134 | 2,175 | 206 | 125,515 | 121,188 | 2,031 | 7 | 123,226 |
| Total net undrawn credit facilities and other off-balance sheet exposures | \$ 245,393 | \$ 6,434 | \$ 218 | \$ 252,045 | \$ 242,333 | \$ 6,252 | \$ 20 | \$ 248,605 |

Purchased credit-impaired loans resulting from the acquisition of The PrivateBank include business and government and consumer loans with outstanding unpaid principal balances of \$10 million, \$20 million and \$134 million; and fair values of \$7 million, \$14 million, and \$105 million, respectively, as at January 31, 2019, October 31, 2018, and June 23, 2017 (the acquisition date).

Loans contractually past due but not impaired

This comprises loans where repayment of principal or payment of interest is contractually in arrears. The following table provides an aging analysis of the contractually past due loans.

| \$ millions, as at | 2019 Jan. 31 | | | 2018 Oct. 31 | |
|-------------------------|----------------------|------------------|-----------------|-----------------|----------|
| | Less than 31 days | 31 to 90 days | Over 90 days | Total | Total |
| Residential mortgages | \$ 2,493 | \$ 887 | \$ – | \$ 3,380 | \$ 3,354 |
| Personal | 779 | 198 | – | 977 | 937 |
| Credit card | 512 | 183 | 104 | 799 | 822 |
| Business and government | 416 | 111 | – | 527 | 683 |
| | \$ 4,200 | \$ 1,379 | \$ 104 | \$ 5,683 | \$ 5,796 |

Note 6. Deposits⁽¹⁾⁽²⁾

| \$ millions, as at | | | | 2019 Jan. 31 | 2018 Oct. 31 |
|--|-------------------------------------|--|--|-------------------|-------------------|
| | Payable on demand ⁽³⁾ | Payable after notice ⁽⁴⁾ | Payable on a fixed date ⁽⁵⁾⁽⁶⁾ | Total | Total |
| Personal | \$ 11,586 | \$ 108,945 | \$ 52,305 | \$ 172,836 | \$ 163,879 |
| Business and government ⁽⁷⁾ | 58,782 | 50,985 | 129,930 | 239,697 | 240,149 |
| Bank | 4,587 | 201 | 8,274 | 13,062 | 14,380 |
| Secured borrowings ⁽⁸⁾ | — | — | 39,112 | 39,112 | 42,607 |
| | \$ 74,955 | \$ 160,131 | \$ 229,621 | \$ 464,707 | \$ 461,015 |
| Comprised of: | | | | | |
| Held at amortized cost | | | | \$ 456,824 | \$ 453,498 |
| Designated at fair value | | | | 7,883 | 7,517 |
| | | | | \$ 464,707 | \$ 461,015 |
| Total deposits include: | | | | | |
| Non-interest-bearing deposits | | | | | |
| In domestic offices | | | | \$ 49,798 | \$ 49,858 |
| In foreign offices | | | | 12,412 | 12,115 |
| Interest-bearing deposits | | | | | |
| In domestic offices | | | | 324,902 | 321,188 |
| In foreign offices | | | | 77,595 | 77,854 |
| | | | | \$ 464,707 | \$ 461,015 |

(1) Includes deposits of \$150.5 billion (October 31, 2018: \$155.5 billion) denominated in U.S. dollars and deposits of \$24.5 billion (October 31, 2018: \$24.3 billion) denominated in other foreign currencies.

(2) Net of purchased notes of \$2,540 million (October 31, 2018: \$2,689 million).

(3) Includes all deposits for which we do not have the right to require notice of withdrawal. These deposits are generally chequing accounts.

(4) Includes all deposits for which we can legally require notice of withdrawal. These deposits are generally savings accounts.

(5) Includes all deposits that mature on a specified date. These deposits are generally term deposits, guaranteed investment certificates, and similar instruments.

(6) Includes \$1,642 million (October 31, 2018: \$190 million) of deposits which are subject to the bank recapitalization (bail-in) conversion regulations issued by the Department of Finance (Canada). These regulations provide certain statutory powers to the Canada Deposit Insurance Corporation (CDIC), including the ability to convert specified eligible shares and liabilities of CIBC into common shares in the event that CIBC is determined to be non-viable.

(7) Includes \$1,604 million (October 31, 2018: \$1,600 million) of Notes issued to CIBC Capital Trust.

(8) Comprises liabilities issued by, or as a result of, activities associated with the securitization of residential mortgages, covered bond programs, and consolidated securitization vehicles.

Note 7. Share capital

Common shares

| \$ millions, except number of shares, for the three months ended | 2019 Jan. 31 | | 2018 Oct. 31 | | 2018 Jan. 31 | |
|--|---------------------|-----------|---------------------|-----------|----------------------------|-----------|
| | Number of shares | Amount | Number of shares | Amount | Number of shares | Amount |
| Balance at beginning of period | 442,826,380 | \$ 13,243 | 443,717,169 | \$ 13,201 | 439,313,303 | \$ 12,548 |
| Issuance pursuant to: | | | | | | |
| Acquisition of The PrivateBank | – | – | – | – | 1,689,450 | 194 |
| Acquisition of Wellington Financial | – | – | – | – | 378,848 | 47 |
| Equity-settled share-based compensation plans | 127,790 | 14 | 201,876 | 17 | 512,730 | 49 |
| Shareholder investment plan ⁽¹⁾ | 524,183 | 57 | 423,029 | 48 | 1,643,165 | 197 |
| Employee share purchase plan | 299,646 | 33 | 234,739 | 29 | 265,005 | 32 |
| | 443,777,999 | 13,347 | 444,576,813 | 13,295 | 443,802,501 | 13,067 |
| Purchase of common shares for cancellation | – | – | (1,750,000) | (52) | – | – |
| Treasury shares | 24,264 | 3 | (433) | – | 22,490 | 3 |
| Balance at end of period ⁽²⁾ | 443,802,263 | \$ 13,350 | 442,826,380 | \$ 13,243 | 443,824,991 ⁽³⁾ | \$ 13,070 |

(1) Commencing with the dividends paid on April 27, 2018, the shares for the Dividend Reinvestment Option and Stock Dividend Option of the Shareholder Investment Plan (the Plan) were issued from Treasury without discount. Prior to this, these shares were issued at a 2% discount from average market price. The participants in the Share Purchase Option of the Plan continue to receive shares issued from Treasury with no discount.

(2) Excludes 60,532 restricted shares as at January 31, 2019 (October 31, 2018: 60,764; January 31, 2018: 189,573).

(3) Excludes 321,440 common shares which were issued and outstanding but which had not been acquired by a third party as at January 31, 2018. These shares were issued as a component of our acquisition of The PrivateBank.

Normal course issuer bid

On May 31, 2018, we announced that the Toronto Stock Exchange had accepted the notice of CIBC's intention to commence a normal course issuer bid. Purchases under this bid will terminate upon the earlier of: (i) CIBC purchasing up to a maximum of 9 million common shares; (ii) CIBC providing a notice of termination; or (iii) June 3, 2019. No common shares have been purchased during the quarter.

Preferred shares

Non-cumulative Rate Reset Class A Preferred Shares Series 49 (NVCC)

On January 22, 2019, we issued 13 million Non-cumulative Rate Reset Class A Preferred Shares Series 49 (NVCC) (Series 49 shares) with a par value of \$25.00 per share, for gross proceeds of \$325 million. For the initial five-year period to the earliest redemption date of April 30, 2024, the Series 49 shares pay quarterly cash dividends, if declared, at a rate of 5.20%. On April 30, 2024, and on April 30 every five years thereafter, the dividend rate will reset to be equal to the then current five-year Government of Canada bond yield plus 3.31%.

Holders of the Series 49 shares will have the right to convert their shares on a one-for-one basis into Non-cumulative Floating Rate Class A Preferred Shares Series 50 (NVCC) (Series 50 shares), subject to certain conditions, on April 30, 2024 and on April 30 every five years thereafter. Holders of the Series 50 shares will be entitled to receive a quarterly floating rate dividend, if declared, equal to the three-month Government of Canada Treasury Bill yield plus 3.31%. Holders of the Series 50 shares may convert their shares on a one-for-one basis into Series 49 shares, subject to certain conditions, on April 30, 2029 and on April 30 every five years thereafter.

Subject to regulatory approval and certain provisions of the shares, we may redeem all or any part of the then outstanding Series 49 shares at par on April 30, 2024 and on April 30 every five years thereafter; we may redeem all or any part of the then outstanding Series 50 shares at par on April 30, 2029 and on April 30 every five years thereafter.

Our capital ratios and leverage ratio are presented in the table below:

(1) During 2018, before any capital floor requirement, there were three different levels of RWAs for the calculation of CIBC's CET1, Tier 1 and Total capital ratios as CIBC elected in 2014 to phase-in the credit valuation adjustment (CVA) capital charge as permitted under OSFI's guideline. Beginning in the first quarter of 2019 the ratios are calculated by reference to the same level of RWAs as the phase-in of the CVA capital charge has been completed.

CIBC has been designated by OSFI as a domestic systemically important bank (D-SIB) in Canada, and is subject to a CET1 surge equal to 1.0% of RWAs. OSFI currently requires D-SIBs to hold a 1.5% Domestic Stability Buffer (the Domestic Stability Buffer will be increased to 1.75% effective April 30, 2019). This results in current targets, including all buffer requirements, for CET1, Tier 1 and Total capital ratios of 9.5%, 11.0%, and 13.0%, respectively. These targets may be higher for certain institutions at OSFI's discretion.

Note 8. Post-employment benefits

Defined benefit plan expense

Defined contribution plan expense

(1) Includes Canada Pension Plan, Quebec Pension Plan, and U.S. Federal Insurance Contributions Act.

(1) The Canadian post-employment defined benefit plans are remeasured on a quarterly basis for changes in the discount rate and for actual asset returns. All other Canadian plans' actuarial assumptions and foreign plans' actuarial assumptions are updated at least annually.

Note 9. Income taxes

U.S. Tax Reforms

On December 22, 2017, the President of the United States signed into law the Tax Cuts and Jobs Act (U.S. tax reforms), which reduced the U.S. federal corporate income tax rate to 21% effective January 1, 2018, resulting in a significant decrease in CIBC's U.S. deferred tax assets in the first quarter of 2018. The U.S. tax reforms introduced other important changes to U.S. corporate income tax laws including the creation of a new Base Erosion Anti-abuse Tax (BEAT) that subjects certain payments from a U.S. corporation to foreign related parties to additional taxes. On December 20, 2018, the Internal Revenue Service released proposed regulations to implement certain other aspects of the U.S. tax reforms. CIBC continues to evaluate the impact of these proposed regulations, together with BEAT, on our U.S. operations.

Enron

In prior years, the Canada Revenue Agency (CRA) issued reassessments disallowing the deduction of approximately \$3 billion of the 2005 Enron settlement payments and related legal expenses (the "Enron expenses"). In January 2019, we entered into a settlement agreement (the "Agreement") with the CRA that provides certainty with respect to the portion of the Enron expenses that are deductible in Canada. The impact of this Agreement resulted in the recognition of a net \$38 million tax recovery in the first quarter of 2019. This recovery was determined after taking into account the portion of the Enron expenses that we expect to deduct in the United States, but which has not yet been agreed to by the Internal Revenue Service, and the taxable refund interest that we expect to collect from the CRA upon the reassessment of certain prior year tax returns in accordance with the Agreement. It is possible that adjustments may be required to the amount of the tax benefits recognized in the United States.

Dividend Received Deduction

In prior years, the CRA reassessed CIBC approximately \$298 million of additional income tax by denying the tax deductibility of certain 2011 and 2012 Canadian corporate dividends on the basis that they were part of a "dividend rental arrangement". In March 2018, CIBC filed a Notice of Appeal with the Tax Court of Canada with respect to the 2011 taxation year. The matter is now in litigation. The circumstances of the dividends subject to the reassessments are similar to those prospectively addressed by the rules in the 2015 and 2018 Canadian federal budgets. In June 2018, the CRA reassessed CIBC in respect of the 2013 taxation year for approximately \$229 million of additional taxes. It is possible that subsequent years may be reassessed for similar activities. CIBC is confident that its tax filing positions were appropriate and intends to defend itself vigorously. Accordingly, no amounts have been accrued in the interim consolidated financial statements.

Note 10. Earnings per share

| | 2019 Jan. 31 | 2018 Oct. 31 | 2018 Jan. 31 |
|--|-----------------|-----------------|-----------------|
| \$ millions, except number of shares and per share amounts, for the three months ended | | | |
| Basic earnings per share | | | |
| Net income attributable to equity shareholders | \$ 1,178 | \$ 1,266 | \$ 1,323 |
| Less: Preferred share dividends and premiums | 23 | 24 | 18 |
| Net income attributable to common shareholders | \$ 1,155 | \$ 1,242 | \$ 1,305 |
| Weighted-average common shares outstanding (thousands) | 443,033 | 443,015 | 441,124 |
| Basic earnings per share | \$ 2.61 | \$ 2.81 | \$ 2.96 |
| Diluted earnings per share | | | |
| Net income attributable to common shareholders | \$ 1,155 | \$ 1,242 | \$ 1,305 |
| Weighted-average common shares outstanding (thousands) | 443,033 | 443,015 | 441,124 |
| Add: Stock options potentially exercisable ⁽¹⁾ (thousands) | 784 | 1,069 | 1,287 |
| Add: Restricted shares and equity-settled consideration (thousands) | 484 | 420 | 441 |
| Weighted-average diluted common shares outstanding (thousands) | 444,301 | 444,504 | 442,852 |
| Diluted earnings per share | \$ 2.60 | \$ 2.80 | \$ 2.95 |

(1) Excludes average options outstanding of 2,107,454 (October 31, 2018: nil; January 31, 2018: 504,344) with a weighted-average exercise price of \$114.58 (October 31, 2018: nil; January 31, 2018: \$120.02) for the quarter ended January 31, 2019, as the options' exercise prices were greater than the average market price of CIBC's common shares.

Note 11. Contingent liabilities and provision

Legal proceedings and other contingencies

In the ordinary course of its business, CIBC is a party to a number of legal proceedings, including regulatory investigations, in which claims for substantial monetary damages are asserted against CIBC and its subsidiaries. Legal provisions are established if, in the opinion of management, it is both probable that an outflow of economic benefits will be required to resolve the matter, and a reliable estimate can be made of the amount of the obligation. If the reliable estimate of probable loss involves a range of potential outcomes within which a specific amount within the range appears to be a better estimate, that amount is accrued. If no specific amount within the range of potential outcomes appears to be a better estimate than any other amount, the mid-point in the range is accrued. In some instances, however, it is not possible either to determine whether an obligation is probable or to reliably estimate the amount of loss, in which case no accrual can be made.

While there is inherent difficulty in predicting the outcome of legal proceedings, based on current knowledge and in consultation with legal counsel, we do not expect the outcome of these matters, individually or in aggregate, to have a material adverse effect on our interim consolidated financial statements. However, the outcome of these matters, individually or in aggregate, may be material to our operating results for a particular reporting period. We regularly assess the adequacy of CIBC's litigation accruals and make the necessary adjustments to incorporate new information as it becomes available.

The provisions disclosed in Note 22 to the 2018 annual consolidated financial statements included all of CIBC's accruals for legal matters as at that date, including amounts related to the significant legal proceedings described in that note and to other legal matters.

CIBC considers losses to be reasonably possible when they are neither probable nor remote. It is reasonably possible that CIBC may incur losses in addition to the amounts recorded when the loss accrued is the mid-point of a range of reasonably possible losses, or the potential loss pertains to a matter in which an unfavourable outcome is reasonably possible but not probable.

CIBC believes the estimate of the aggregate range of reasonably possible losses, in excess of the amounts accrued, for its significant legal proceedings, where it is possible to make such an estimate, is from nil to approximately \$1.2 billion as at January 31, 2019. This estimated aggregate range of reasonably possible losses is based upon currently available information for those significant proceedings in which CIBC is involved, taking into account CIBC's best estimate of such losses for those cases for which an estimate can be made. CIBC's estimate involves significant judgment, given the varying stages of the proceedings and the existence of multiple defendants in many of such proceedings whose share of the liability has yet to be determined. The range does not include potential punitive damages and interest. The matters underlying the estimated range as at January 31, 2019, consist of the significant legal matters disclosed in Note 22 to the 2018 annual consolidated financial statements as updated below. The matters underlying the estimated range will change from time to time, and actual losses may vary significantly from the current estimate. For certain matters, CIBC does not believe that an estimate can currently be made as many of them are in preliminary stages and certain matters have no specific amount claimed. Consequently, these matters are not included in the range.

The following developments related to our significant legal proceedings occurred since the issuance of our 2018 annual consolidated financial statements:

- *Credit card class actions – Quebec Consumer Protection Act*: The motion for class certification in *Pilon* is scheduled for April 2019.
- *Credit card class actions – Interchange fees litigation*: The trial in *Watson* which was scheduled for October 2019, has been adjourned to October 2020.
- *Mortgage prepayment class actions*: In February 2019, the court certified *Jordan* as a class action. *Haroch* and *Lamarre* have been consolidated. The class certification motion in the consolidated action is scheduled for June 2019. The appeal in *Sherry* is scheduled for April 2019.
- *Cerberus Capital Management L.P. v. CIBC*: In December 2018, the appellate court affirmed the lower court's denial of the plaintiffs' motion for summary judgment.

Other than the items described above, there are no significant developments in the matters identified in Note 22 to our 2018 annual consolidated financial statements, and no new significant legal proceedings have arisen since the issuance of our 2018 annual consolidated financial statements.

Note 12. Interest income and expense

The table below provides the consolidated interest income and expense by accounting categories.

| \$ millions, for the three months ended | 2019 Jan. 31 | | 2018 Oct. 31 | | 2018 Jan. 31 | |
|--|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| | Interest income | Interest expense | Interest income | Interest expense | Interest income | Interest expense |
| Measured at amortized cost ⁽¹⁾ | \$ 4,433 | \$ 2,451 | \$ 4,132 | \$ 2,113 | \$ 3,525 | \$ 1,437 |
| Debt securities measured at FVOCI ⁽¹⁾ | 237 | n/a | 224 | n/a | 145 | n/a |
| Other ⁽²⁾ | 454 | 77 | 380 | 84 | 314 | 74 |
| Total | \$ 5,124 | \$ 2,528 | \$ 4,736 | \$ 2,197 | \$ 3,984 | \$ 1,511 |

(1) Interest income for financial instruments that are measured at amortized cost and debt securities that are measured at FVOCI is calculated using the effective interest rate method.

(2) Includes interest income and expense, and dividend income for financial instruments that are mandatorily measured and designated at FVTPL, and equity securities designated at FVOCI.

n/a Not applicable.

Note 13. Segmented information

CIBC has four strategic business units (SBUs) – Canadian Personal and Small Business Banking, Canadian Commercial Banking and Wealth Management, U.S. Commercial Banking and Wealth Management, and Capital Markets. These SBUs are supported by Corporate and Other.

Canadian Personal and Small Business Banking provides personal and business clients across Canada with financial advice, products and services through a team in our banking centres, as well as through our direct, mobile and remote channels.

Canadian Commercial Banking and Wealth Management provides high-touch, relationship-oriented banking and wealth management services to middle-market companies, entrepreneurs, high-net-worth individuals and families across Canada. In addition, we provide asset management services to institutional investors.

U.S. Commercial Banking and Wealth Management provides high-touch, relationship-oriented commercial, personal and small business banking, as well as wealth management services to meet the needs of middle-market companies, executives, entrepreneurs, high-net-worth individuals and families in the markets we serve in the U.S.

Capital Markets provides integrated global markets products and services, investment banking advisory and execution, corporate banking and top-ranked research to corporate, government and institutional clients around the world.

Corporate and Other includes the following functional groups – Administration, Client Connectivity and Innovation, Finance, Human Resources and Communications, Internal Audit, Risk Management, and Technology and Operations, as well as other support groups. The expenses of these functional and support groups are generally allocated to the business lines within the SBUs. The majority of the functional and support costs of CIBC Bank USA are recognized directly in the U.S. Commercial Banking and Wealth Management SBU. Corporate and Other also includes the results of FirstCaribbean International Bank Limited and other strategic investments, as well as other income statement and balance sheet items not directly attributable to the business lines.

| \$ millions, for the three months ended | | Canadian Personal and Small Business Banking | Canadian Commercial Banking and Wealth Management | U.S. Commercial Banking and Wealth Management | Capital Markets | Corporate and Other | CIBC Total |
|---|---|--|---|---|--------------------|------------------------|-------------------|
| 2019 | Net interest income ⁽¹⁾ | \$ 1,567 | \$ 320 | \$ 345 | \$ 286 | \$ 78 | \$ 2,596 |
| Jan. 31 | Non-interest income ⁽²⁾ | 487 | 786 | 134 | 417 | 145 | 1,969 |
| | Intersegment revenue ⁽³⁾ | 112 | (114) | – | 2 | – | – |
| | Total revenue ⁽¹⁾ | 2,166 | 992 | 479 | 705 | 223 | 4,565 |
| | Provision for (reversal of) credit losses | 208 | 43 | 16 | 66 | 5 | 338 |
| | Amortization and impairment ⁽⁴⁾ | 23 | 2 | 27 | 1 | 118 | 171 |
| | Other non-interest expenses | 1,304 | 513 | 247 | 367 | 158 | 2,589 |
| | Income (loss) before income taxes | 631 | 434 | 189 | 271 | (58) | 1,467 |
| | Income taxes ⁽¹⁾ | 168 | 115 | 21 | 70 | (89) | 285 |
| | Net income (loss) | \$ 463 | \$ 319 | \$ 168 | \$ 201 | \$ 31 | \$ 1,182 |
| | Net income (loss) attributable to: | | | | | | |
| | Non-controlling interests | \$ – | \$ – | \$ – | \$ – | \$ 4 | \$ 4 |
| | Equity shareholders | 463 | 319 | 168 | 201 | 27 | 1,178 |
| | Average assets ⁽⁵⁾ | \$ 259,817 | \$ 60,189 | \$ 46,710 | \$ 176,567 | \$ 77,316 | \$ 620,599 |
| 2018 | Net interest income ⁽¹⁾ | \$ 1,586 | \$ 287 | \$ 323 | \$ 260 | \$ 83 | \$ 2,539 |
| Oct. 31 | Non-interest income ⁽²⁾ | 500 | 817 | 134 | 386 | 76 | 1,913 |
| | Intersegment revenue ⁽³⁾ | 115 | (118) | – | 3 | – | – |
| | Total revenue ⁽¹⁾ | 2,201 | 986 | 457 | 649 | 159 | 4,452 |
| | Provision for (reversal of) credit losses | 191 | 7 | 40 | (4) | 30 | 264 |
| | Amortization and impairment ⁽⁴⁾ | 23 | 2 | 25 | 1 | 111 | 162 |
| | Other non-interest expenses | 1,077 | 519 | 239 | 355 | 239 | 2,429 |
| | Income (loss) before income taxes | 910 | 458 | 153 | 297 | (221) | 1,597 |
| | Income taxes ⁽¹⁾ | 242 | 125 | 22 | 64 | (124) | 329 |
| | Net income (loss) | \$ 668 | \$ 333 | \$ 131 | \$ 233 | \$ (97) | \$ 1,268 |
| | Net income (loss) attributable to: | | | | | | |
| | Non-controlling interests | \$ – | \$ – | \$ – | \$ – | \$ 2 | \$ 2 |
| | Equity shareholders | 668 | 333 | 131 | 233 | (99) | 1,266 |
| | Average assets ⁽⁵⁾ | \$ 260,190 | \$ 57,905 | \$ 43,677 | \$ 165,213 | \$ 76,741 | \$ 603,726 |
| 2018 | Net interest income ⁽¹⁾ | \$ 1,517 | \$ 268 | \$ 293 | \$ 429 | \$ (34) | \$ 2,473 |
| Jan. 31 | Non-interest income ⁽²⁾ | 504 | 806 | 139 | 369 | 168 | 1,986 |
| | Intersegment revenue ⁽³⁾ | 117 | (120) | – | 3 | – | – |
| | Total revenue ⁽¹⁾ | 2,138 | 954 | 432 | 801 | 134 | 4,459 |
| | Provision for (reversal of) credit losses | 148 | 1 | 14 | (16) | 6 | 153 |
| | Amortization and impairment ⁽⁴⁾ | 24 | 2 | 30 | 1 | 109 | 166 |
| | Other non-interest expenses | 1,074 | 521 | 227 | 375 | 215 | 2,412 |
| | Income (loss) before income taxes | 892 | 430 | 161 | 441 | (196) | 1,728 |
| | Income taxes ⁽¹⁾ | 236 | 116 | 27 | 119 | (98) | 400 |
| | Net income (loss) | \$ 656 | \$ 314 | \$ 134 | \$ 322 | \$ (98) | \$ 1,328 |
| | Net income (loss) attributable to: | | | | | | |
| | Non-controlling interests | \$ – | \$ – | \$ – | \$ – | \$ 5 | \$ 5 |
| | Equity shareholders | 656 | 314 | 134 | 322 | (103) | 1,323 |
| | Average assets ⁽⁵⁾ | \$ 258,213 | \$ 53,281 | \$ 40,411 | \$ 167,093 | \$ 71,346 | \$ 590,344 |

(1) U.S. Commercial Banking and Wealth Management and Capital Markets net interest income and income taxes include taxable equivalent basis (TEB) adjustments of nil and \$41 million, respectively, for the three months ended January 31, 2019 (October 31, 2018: nil and \$30 million, respectively; January 31, 2018: nil and \$153 million, respectively) with an equivalent offset in Corporate and Other.

(2) The fee and commission income within non-interest income consists primarily of underwriting and advisory fees, deposit and payment fees, credit fees, card fees, investment management and custodial fees, mutual fund fees and commissions on securities transactions. Underwriting and advisory fees are earned primarily in Capital Markets with the remainder earned in Canadian Commercial Banking and Wealth Management. Deposits and payment fees are earned primarily in Canadian Personal and Small Business Banking, with the remainder earned mainly in Canadian Commercial Banking and Wealth Management and Corporate and Other. Credit fees are earned primarily in Canadian Commercial Banking and Wealth Management, Capital Markets, and U.S. Commercial Banking and Wealth Management. Card fees are earned primarily in Canadian Personal and Small Business Banking. Investment management and custodial fees and mutual fund fees are earned primarily in Canadian Commercial Banking and Wealth Management and U.S. Commercial Banking and Wealth Management. Commissions on securities transactions are earned primarily in Capital Markets and Canadian Commercial Banking and Wealth Management.

(3) Intersegment revenue represents internal sales commissions and revenue allocations under the Manufacturer / Customer Segment / Distributor Management Model.

(4) Comprises amortization and impairment of buildings, furniture, equipment, leasehold improvements, and software and other intangible assets.

(5) Assets are disclosed on an average basis as this measure is most relevant to a financial institution and is the measure reviewed by management.

TO REACH US:

Corporate Secretary: Shareholders may call 416-980-3096, or e-mail: corporate.secretary@cibc.com

Investor Relations: Financial analysts, portfolio managers and other investors requiring financial information may call 416-956-6149, or e-mail: investorrelations@cibc.com

Communications and Public Affairs: Financial, business and trade media may e-mail: corpcommmailbox@cibc.com

CIBC Telephone Banking: As part of our commitment to our clients, information about CIBC products and services is available by calling 1-800-465-2422 toll-free across Canada.

Online Investor Presentations: Supplementary financial information, Supplementary regulatory capital disclosure and a presentation to investors and analysts are available at www.cibc.com; About CIBC.

Earnings Conference Call: CIBC's first quarter conference call with analysts and investors will take place on Thursday, February 28, 2019 at 8:00 a.m. (ET). The call will be available in English (416-340-2217, or toll-free 1-800-806-5484, passcode 2406904#) and French (514-861-2255, or toll-free 1-800-898-3989, passcode 5223656#). A telephone replay of the conference call will be available in English and French until 11:59 p.m. (ET) March 8, 2019. To access the replay in English, call 905-694-9451 or 1-800-408-3053, passcode 6527164#. To access the replay in French, call 514-861-2272 or 1-800-408-3053, passcode 4291164#.

Audio Webcast: A live audio webcast of CIBC's first quarter results conference call will take place on Thursday, February 28, 2019 at 8:00 a.m. (ET) in English and French. To access the audio webcast, go to www.cibc.com; About CIBC. An archived version of the audio webcast will also be available in English and French following the call on www.cibc.com; About CIBC.

Annual Meeting: CIBC's next Annual Meeting of Shareholders will be held on April 4, 2019 in Montreal, Quebec.

Regulatory Capital: Information on CIBC's regulatory capital instruments and regulatory capital position may be found at www.cibc.com; About CIBC; Investor Relations; Regulatory Capital Instruments.

Nothing in CIBC's website www.cibc.com should be considered incorporated herein by reference.

DIRECT DIVIDEND DEPOSIT SERVICE

Canadian-resident holders of common shares may have their dividends deposited directly into their account at any financial institution which is a member of Payments Canada. To arrange, please write to AST Trust Company (Canada), P.O. Box 700 Postal Station B, Montreal, QC H3B 3K3 or e-mail: inquiries@astfinancial.com

SHAREHOLDER INVESTMENT PLAN

Registered holders of CIBC common shares wishing to acquire additional common shares may participate in the Shareholder Investment Plan and pay no brokerage commissions or service charges.

For a copy of the offering circular, contact AST Trust Company (Canada) at 416-682-3860, toll-free at 1-800-258-0499, or by email at inquiries@astfinancial.com.

PURCHASE PRICE OF COMMON SHARES UNDER THE SHAREHOLDER INVESTMENT PLAN

| Date | Share purchase option | Dividend reinvestment & stock dividend options |
|------------|-----------------------------|--|
| Nov. 1/18 | \$ 113.08 | |
| Dec. 3/18 | \$ 113.19 | |
| Jan. 2/19 | \$ 101.87 | |
| Jan. 28/19 | | \$109.45 |



Canadian Imperial Bank of Commerce
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