



Manulife Bank of Canada  
*Consolidated Financial Statements*

For the year ended December 31, 2019



# Independent auditor's report

To the Shareholder of  
**Manulife Bank of Canada**

## Report on the audit of the consolidated financial statements

### Opinion

We have audited the consolidated financial statements of **Manulife Bank of Canada** [the "Bank"], which comprise the consolidated statements of financial position as at December 31, 2019, and the consolidated statements of comprehensive income, consolidated statements of changes in equity and consolidated statements of cash flows for the years then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the Bank as at December 31, 2019, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with International Financial Reporting Standards ["IFRSs"].

### Basis for opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report. We are independent of the Bank in accordance with the ethical requirements that are relevant to our audit of the consolidated financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### Responsibilities of management and the Audit Committee of the Board of Directors for the consolidated financial statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with IFRSs, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Bank's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Bank or to cease operations, or has no realistic alternative but to do so.

The Audit Committee of the Board of Directors is responsible for overseeing the Bank's financial reporting process.

### Auditor's responsibilities for the audit of the consolidated financial statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.



As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Bank's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Bank's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Bank to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Audit Committee of the Board of Directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Waterloo, Canada  
February 6, 2020

*Ernst & Young LLP*

Chartered Professional Accountants  
Licensed Public Accountants



# Consolidated Statements of Financial Position

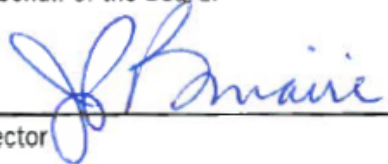
As at December 31,

(Canadian \$ in millions)

	2019	2018
<b>ASSETS</b>		
Cash and cash equivalents	\$ 4,521	\$ 2,950
Restricted cash (Note 15)	65	72
Securities (Note 5)	365	432
Mortgage and other loans, net (Note 6)	22,177	21,625
Deferred tax asset (Note 8)	88	35
Other assets (Note 7)	94	72
<b>Total assets</b>	<b>\$ 27,310</b>	<b>\$ 25,186</b>
<b>LIABILITIES and EQUITY</b>		
<b>Liabilities</b>		
Demand deposits	\$ 14,015	\$ 12,459
Term deposits	7,687	7,452
Notes payable (Note 15)	3,881	3,774
Current tax liability (Note 8)	4	2
Deferred tax liability (Note 8)	1	1
Derivative financial liabilities (Notes 4 and 11)	5	13
Other liabilities (Note 9)	153	156
<b>Total liabilities</b>	<b>\$ 25,746</b>	<b>\$ 23,857</b>
<b>Equity</b>		
Issued share capital (Notes 10 and 17)		
Preferred shares	\$ 229	\$ 229
Common shares	267	217
Contributed surplus (Note 17)	308	226
Retained earnings	759	657
Accumulated other comprehensive income	1	-
<b>Total equity</b>	<b>\$ 1,564</b>	<b>\$ 1,329</b>
<b>Total liabilities and equity</b>	<b>\$ 27,310</b>	<b>\$ 25,186</b>

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

On behalf of the Board:

  
 \_\_\_\_\_  
 Director

  
 \_\_\_\_\_  
 Director

# Consolidated Statements of Income

For the years ended December 31,

(Canadian \$ in millions)

	2019	2018
<b>Revenue</b>		
<b>Net interest income</b>		
Interest income <i>(Note 11)</i> <sup>1</sup>	\$ 926	\$ 802
Interest expense <i>(Note 11)</i>	494	401
<b>Net interest income</b>	<b>\$ 432</b>	<b>\$ 401</b>
<b>Non-interest income</b>		
Fee income <i>(Note 12)</i>	\$ 37	\$ 38
Net gains (losses) on securities measured at FVTPL <i>(Note 5)</i>	20	(26)
<b>Total non-interest income</b>	<b>\$ 57</b>	<b>\$ 12</b>
<b>Total revenue</b>	<b>\$ 489</b>	<b>\$ 413</b>
<b>Provision for credit losses</b> <i>(Note 6)</i>	<b>\$ 1</b>	<b>\$ 5</b>
<b>Non-interest expenses</b>		
Salaries and employee benefits	\$ 73	\$ 76
Commission expense <i>(Notes 13 and 17)</i>	41	39
Business development	42	38
Information services	37	33
Office administration	32	35
Other	40	36
<b>Total non-interest expenses</b>	<b>\$ 265</b>	<b>\$ 257</b>
<b>Net income before income taxes</b>	<b>\$ 223</b>	<b>\$ 151</b>
Income tax expense <i>(Note 8)</i>	58	39
<b>Net income</b>	<b>\$ 165</b>	<b>\$ 112</b>

<sup>(1)</sup> Interest income included \$917 for the year ended December 31, 2019 that is calculated based on the effective interest rate method (2018 – \$797).

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

## Consolidated Statements of Comprehensive Income

For the years ended December 31,

(Canadian \$ in millions)

	2019	2018
<b>Net income</b>	<b>\$ 165</b>	<b>\$ 112</b>
<b>Other comprehensive income (loss), net of income taxes, that is subject to subsequent reclassification to net income:</b>		
<b>Net change in debt securities at fair value through other comprehensive income</b>		
Net unrealized gains (losses), net of tax recovery of nil (2018 – tax expense of \$1)	\$ 1	\$ (2)
Net realized losses, net of tax expense of nil (2018 – nil), reclassified to net income	-	2
<b>Total other comprehensive income, net of income taxes</b>	<b>\$ 1</b>	<b>\$ -</b>
<b>Total comprehensive income, net of income taxes</b>	<b>\$ 166</b>	<b>\$ 112</b>

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

## Consolidated Statements of Changes in Equity

(Canadian \$ in millions)

	Share capital		Retained earnings	Accumulated other comprehensive income		Contributed surplus	Total
	Preferred shares	Common shares		Available-for-sale	FVOCI securities		
<b>As at December 31, 2017</b>	\$ 229	\$ 217	\$ 603	\$ 5	n/a	\$ 165	\$ 1,219
Impact of adopting IFRS 9	-	-	(1)	(5)	-	-	(6)
Restated opening balance under IFRS 9	229	217	602	-	-	165	1,213
Net income	-	-	112	n/a	-	-	112
Dividends on preferred shares (Notes 10 and 17c)	-	-	(12)	n/a	-	-	(12)
Dividends on common shares (Notes 10 and 17c)	-	-	(45)	n/a	-	-	(45)
Related party transactions (Note 17)	-	-	-	n/a	-	61	61
Issuance of common shares (Note 10)	-	0	-	n/a	-	-	-
<b>As at December 31, 2018</b>	\$ 229	\$ 217	\$ 657	n/a	\$ -	\$ 226	\$ 1,329
Net income	-	-	165	n/a	-	-	165
Other comprehensive income	-	-	-	n/a	1	-	1
Dividends on preferred shares (Notes 10 and 17c)	-	-	(13)	n/a	-	-	(13)
Dividends on common shares (Notes 10 and 17c)	-	-	(50)	n/a	-	-	(50)
Related party transactions (Note 17)	-	-	-	n/a	-	82	82
Issuance of common shares (Note 10)	-	50	-	n/a	-	-	50
<b>As at December 31, 2019</b>	\$ 229	\$ 267	\$ 759	n/a	\$ 1	\$ 308	\$ 1,564

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



# Consolidated Statements of Cash Flows

For the years ended December 31,

(Canadian \$ in millions)

	2019	2018
<b>Operating activities</b>		
Net income	\$ 165	\$ 112
Adjustments for non-cash items in net income:		
Provision for credit losses	1	5
Deferred taxes	29	11
Amortization	52	47
Net (gains) losses on securities measured at FVTPL	(20)	26
Gain on sale of mortgages	5	-
Net change in operating assets and liabilities <i>(Note 16)</i>	1,283	527
<b>Net cash provided by operating activities</b>	<b>\$ 1,515</b>	<b>\$ 728</b>
<b>Financing activities</b>		
Proceeds from issuance of common shares	50	\$0
Common share dividends paid	(50)	(45)
Preferred share dividends paid	(13)	(12)
<b>Net cash used in financing activities</b>	<b>\$ (13)</b>	<b>\$ (57)</b>
<b>Investing activities</b>		
Acquisition of securities	\$ (135)	(164)
Proceeds from sale of securities	213	201
Acquisition of capital and intangible assets	(4)	(4)
Net decrease in restricted cash	7	5
<b>Net cash provided by investing activities</b>	<b>\$ 81</b>	<b>\$ 38</b>
<b>Effect of exchange rate changes on cash and cash equivalents</b>	<b>\$ (12)</b>	<b>\$ 12</b>
Net increase in cash and cash equivalents	\$ 1,571	\$ 721
Cash and cash equivalents, January 1	2,950	2,229
<b>Cash and cash equivalents, December 31</b>	<b>\$ 4,521</b>	<b>\$ 2,950</b>
<b>Supplementary Disclosure of Cash Flow Information</b>		
Interest paid during the year	\$ 494	\$ 373
Interest received during the year	926	801
Income taxes paid during the year	27	21
Dividends received during the year	6	6

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

# Notes to Consolidated Financial Statements

(Canadian \$ in millions except when otherwise indicated)

## Note 1: Nature of Operations

### (a) Reporting entity

Manulife Bank of Canada (“MBC”) and its subsidiaries (collectively known as the “Bank”) provide a wide range of financial products and services including mortgages, investment loans and deposit products. The Bank is a Schedule 1 Bank under the *Bank Act* (Canada) incorporated and domiciled in Canada, with its registered offices located at 500 King Street North, Waterloo, Ontario, Canada. The Bank is wholly owned by The Manufacturers Life Insurance Company of Canada (“MLI”). The Bank’s ultimate parent company, Manulife Financial Corporation (“MFC”), is a publicly traded life insurance company listed on the Toronto, New York, Philippines and Hong Kong stock exchanges.

These Consolidated Financial Statements for the years ended December 31, 2019 and December 31, 2018 were authorized for issue in accordance with a resolution by the Board of Directors on February 6, 2020.

### (b) Basis of preparation

These Consolidated Financial Statements have been prepared in accordance with International Financial Reporting Standards (“IFRS”) as issued by the International Accounting Standards Board (“IASB”), including the accounting requirements of the Office of the Superintendent of Financial Institutions (“OSFI”). The Consolidated Financial Statements are presented in Canadian dollars, the Bank’s functional currency. All values are rounded to the nearest million dollars except when otherwise indicated.

The preparation of the Consolidated Financial Statements in conformity with IFRS requires management to make judgments, estimates and assumptions that affect the application of accounting policies. Therefore, the reported amounts of assets and liabilities, including the disclosure of contingent assets and liabilities at the date of the Consolidated Financial Statements, as well as the reported amounts of revenue and expenses during the reporting periods, may differ from actual results due to these estimates. The most significant estimation processes relate to the allowance for expected credit losses (“ECLs”), (Notes 2(f) and 6), the amortization period of capitalized acquisition costs (“CAC”) and the fair value of certain financial instruments including derivatives. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the year in which the estimates are revised and in any future periods affected. Although some variability is inherent in these estimates, management believes that the amounts recorded are appropriate. The significant accounting policies used and the most significant judgments made by management in applying these accounting policies in the preparation of these Consolidated Financial Statements are summarized below.

## Note 2: Significant Accounting Policies

### (a) Basis of consolidation

The Bank's Consolidated Financial Statements include the assets, liabilities, results of operations and cash flows of MBC and all subsidiaries and structured entities ("SEs") controlled by MBC, after elimination of intercompany transactions, balances, revenue and expenses.

Subsidiaries are those entities over which MBC has control, where control is defined as the power to govern the financial and operating policies so as to obtain benefits from the entity's activities. Subsidiaries will be consolidated from the date control is obtained and will continue to be consolidated until the date when control ceases to exist. Manulife Trust Company ("MTC") is a wholly owned subsidiary of the Bank and was formed on April 7, 2010.

SEs are entities that are created to accomplish a narrow and well-defined objective. SEs are consolidated when an assessment of the factors indicates that the Bank controls the SE. When assessing whether the Bank has to consolidate a SE, the Bank evaluates a range of factors, including whether in substance: (i) the activities of the SE are conducted according to the Bank's specific business needs so that the Bank obtains the benefits from the SE's operations, (ii) the Bank has the decision-making powers to obtain the majority of the benefits of the activities of the SE; (iii) the Bank will obtain the majority of the benefits of the activities of the SE; and (iv) the Bank retains the majority of the residual ownership risks related to the assets or SE in order to obtain the benefits from its activities. Platinum Canadian Mortgage Trust ("Platinum Trust") and Platinum Canadian Mortgage Trust II ("Platinum Trust II") have been identified as SEs that require consolidation. Platinum Trust was established to provide financing for MBC's insured mortgage products and commenced operations on December 15, 2010. Platinum Trust II was established to provide financing for MBC's uninsured mortgage products and commenced operations on May 26, 2016.

Consolidation conclusions are reassessed at the end of each financial reporting period.

### (b) Financial instruments

Financial assets and liabilities, with the exception of mortgages and loans, are initially recognized at trade date, the date that the Bank becomes a party to the contractual provisions of the instrument. Mortgages and loans are recognized when the funds are transferred to the customer. Under IFRS 9 *Financial Instruments* ("IFRS 9"), financial instruments are initially measured at fair value plus/minus transaction costs for financial instruments recognized at amortized cost or fair value through other comprehensive income ("FVOCI").

The classification of financial instruments at initial recognition depends on their contractual terms and the business model for managing the instruments.

The Bank determines its business model at the portfolio level and not on an instrument-by-instrument basis, as the portfolio level best reflects how it manages groups of financial assets. The business model assessment is based on observable factors such as:

- How performance of the portfolio of financial assets is evaluated and reported to key management personnel;
- The risks that affect the performance of the business model, and how those risks are managed;
- How managers of the business are compensated for performance; and
- The frequency, value and timing of sales.

As a second step of the classification process, the Bank assesses the contractual terms of the financial asset to identify if the contractual terms of the financial asset give rise on specified dates to cash flows that are solely payments of principal and interest ("SPPI") on the principal amount outstanding.

The most significant elements of interest within a lending arrangement are typically the consideration for the time value of money and credit risk. To make the SPPI assessment, the Bank applies judgment and considers relevant factors such as the currency in which the asset is denominated and the period for which the interest rate is set. Contractual terms that introduce a more than *de minimis* exposure to risks or volatility and cash flows that are unrelated to a basic lending arrangement would not meet the SPPI test. In such cases, the financial asset is required to be measured at fair value through profit or loss (“FVTPL”).

Financial assets are measured at amortized cost if both of the following conditions are met:

- The financial asset is held within a business model with the objective to hold financial assets in order to collect contractual cash flows; and
- The contractual terms of the financial asset meet the SPPI test.

The Bank’s financial assets classified and measured at amortized cost are mortgages, loans and other financial assets.

The FVOCI category is applied when both of the following conditions are met:

- The financial asset is held within a business model with the objective achieved by both collecting contractual cash flows and selling financial assets; and
- The contractual terms of the financial asset meet the SPPI test.

The Bank’s financial assets classified and measured at FVOCI are cash and cash equivalents and debt securities, as these assets are used for liquidity management purposes.

The Bank’s equity securities and derivatives are classified and measured at FVTPL.

Financial liabilities, other than loan commitments and financial guarantees, are measured at amortized cost.

### **(c) Cash and cash equivalents**

Cash and cash equivalents comprise unrestricted balances held with banks and other federally regulated financial institutions. The Bank considers all highly liquid investments with an original maturity of 90 days or less to be cash equivalents. Cash and cash equivalents are carried at fair value and classified at FVOCI, as the financial asset is held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets. Cash and cash equivalents are subject to the impairment requirements of IFRS 9.

### **(d) Restricted cash**

Restricted cash comprises cash and cash equivalents held that are not available for general use due to legal or other reasons. Restricted cash has been established in relation to the Bank’s securitization activities (Note 15) and the Bank’s automated banking machine (“ABM”) network, as the cash is expressly for use within the ABM network and unavailable for general use.

### **(e) Securities**

Securities include debt and equity securities. Debt securities are classified and measured at FVOCI as the contractual terms of the financial asset give rise, on specified dates, to cash flows that are SPPI and the financial assets are held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets. Debt securities are recognized initially at fair value plus directly attributable transaction costs and are subsequently presented in the Consolidated Statements of Financial Position at fair value. Unrealized gains and losses on FVOCI debt securities are recorded in accumulated other comprehensive income (“AOCI”) with the exception of unrealized gains or losses attributable to foreign currency translation, which are included in income. When FVOCI debt

securities are sold, the unrealized gains or losses are transferred from AOCI to the Consolidated Statements of Income.

Debt securities measured at FVOCI are subject to the impairment requirements of IFRS 9. As the Bank's debt securities have a low risk of default and the borrower has a strong capacity to meet contractual cash flow obligations, these financial instruments are deemed to have low credit risk as of the reporting date. As such, the Bank measures a loss allowance at an amount equal to 12-month ECLs. ECLs are calculated on an instrument-by-instrument basis. The ECLs for debt instruments measured at FVOCI do not reduce the carrying amount of these financial assets in the Consolidated Statements of Financial Position, which remains at fair value. Instead, an amount equal to the allowance is recognized in other comprehensive income ("OCI") as an accumulated impairment amount, with a corresponding charge to profit or loss. The accumulated loss recognized in OCI is recycled to profit or loss upon derecognition of the assets.

Equity securities are classified and measured at FVTPL, as these instruments contain contractual cash flows that do not meet the SPPI test. Equity securities are initially recognized at fair value plus directly attributable transaction costs in the Consolidated Statements of Financial Position. Changes in fair value and realized gains and losses are recognized in non-interest income in the Consolidated Statements of Income under net gains (losses) on securities measured at FVTPL. Dividend income is recorded in interest income. Equity securities at FVTPL are not subject to the impairment requirements under IFRS 9.

#### **(f) Mortgage and other loans**

Mortgage and other loans are classified and carried at amortized cost, including CAC and net of allowances for ECLs. Mortgage loans include traditional residential amortizing mortgages, Home Equity Lines of Credit ("HELOCs") and commercial amortizing mortgages. Other loans primarily include personal and credit card loans. Acquisition costs are deferred when they relate directly to the acquisition or issuance of new business and are incremental in nature. Amortized cost is calculated by considering any discount or premium on acquisition and fees and costs that are an integral part of the effective interest rate ("EIR"). The effective interest is included in interest income in the Consolidated Statements of Income. Realized gains and losses from derecognition are recorded in income immediately.

#### *Allowance for ECLs*

ECLs are measured under four probability-weighted macroeconomic scenarios, which measure the difference between all contractual cash flows that are due to the Bank in accordance with the contract and all the cash flows that the entity expects to receive, discounted at the original EIR. This includes consideration of past events, current market conditions and reasonable supportable information about future economic conditions. Forward-looking macroeconomic variables used within the models represent variables that are the most closely related with credit losses in the relevant portfolio.

The measurement of impairment losses requires significant judgment. These estimates are driven by many elements, changes in which can result in different levels of allowances. Particularly, the estimation of the amount and timing of future cash flows, the Bank's criteria for assessing if there has been a significant increase in credit risk ("SICR"), the selection of forward-looking macroeconomic scenarios and their probability weights, the application of expert credit judgment in the development of the models, inputs and, when applicable, overlay adjustments. It is the Bank's process to regularly review its models in the context of actual loss experience and adjust when necessary. The Bank has implemented formal policies, procedures and controls over all significant impairment processes, which includes the establishment of an IFRS 9 Governance Committee, who provides oversight over material components of the IFRS 9 impairment provision and includes members of the Bank's Executive Leadership Team.

The ECL calculations for material portfolios include the following elements:

- Probability of default ("PD"), is an estimate of the likelihood of default over a given time horizon;
- Loss given default ("LGD"), is an estimate of the loss arising in the case where a default occurs at a given time. It is based on the difference between the contractual cash flows due and those the lender expects to receive, including from the realization of collateral (net of expected costs of realization and

any amounts legally required to be paid to the borrowers) and other credit enhancements that are integral to the contract terms. To calculate the LGDs, the Bank segments its products into smaller homogeneous portfolios, based on key characteristics that are relevant to the estimation of future cash flows. The applied data is based on historically collected loss data as well as borrower and transaction characteristics. Forward-looking economic scenarios are used to determine the LGD rate for each group of financial instruments; and

- Exposure at default (“EAD”), is an estimate of the exposure at a future default date, considering expected changes in the exposure after the reporting date. The Bank determines EADs by modelling the range of possible exposure outcomes at various points in time, corresponding to the multiple scenarios. The PDs are then assigned to each economic scenario based on the outcome of the Bank’s models.

Simplified measurement approaches may be applied to immaterial portfolios that lack detailed historical information and/or loss experience.

The ECL model measures credit losses using a three-stage approach:

- Stage 1 comprises all performing financial instruments that have not experienced a SICR since initial recognition. The determination of SICR varies by product and considers the relative change in the risk of default since origination. 12-month ECLs are recognized for all Stage 1 financial instruments. 12-month ECLs represent the portion of lifetime ECLs that result from default events possible within 12 months of the reporting date. These expected 12-month default probabilities are applied to a forecast EAD, multiplied by the expected LGD and discounted by an approximation to the original EIR. This calculation is made for each of four macroeconomic scenarios;
- Stage 2 comprises all non-impaired financial instruments that have experienced a SICR since original recognition and/or financial instruments with principal or interest payments contractually 30 days in arrears. Full lifetime ECLs are recognized, which represent ECLs that result from all possible default events over the remaining lifetime of the financial instrument. The mechanics are consistent with Stage 1, except PDs and LGDs are estimated over the lifetime of the instrument. In subsequent reporting periods, if the credit risk of a financial instrument improves such that there is no longer a SICR since initial recognition, the financial instrument will migrate back to Stage 1 and 12-month ECLs will be recognized. Financial instruments can migrate in both directions through the stages of the impairment model; and
- Stage 3 comprises financial instruments identified as credit-impaired. Similar to Stage 2 assets, full lifetime ECLs are recognized for Stage 3 financial instruments, but the PD is set at 100%. The Bank identifies a financial asset as credit-impaired when one or more events that have a detrimental impact on the estimated future cash flows of that financial instrument have occurred. Evidence that a financial instrument is credit-impaired include indication that a borrower is experiencing significant financial difficulty, or a default or delinquency has occurred. The Bank considers a financial instrument in default when the borrower becomes 90 days past due on its contractual payments. A financial instrument is no longer considered impaired when all past due amounts, including interest, have been recovered, and it is determined that the principal and interest are fully collectible in accordance with the original contractual terms. Interest income on Stage 3 financial instruments is calculated based on the amortized cost of the asset, net of the loss allowance, rather than on its gross carrying amount. Gross carrying amount is used for calculating interest income for both Stage 1 and 2 exposures.

IFRS 9 also contains specific accounting requirements for purchased or originated credit-impaired (“POCI”) assets. POCI assets are financial assets that are credit-impaired on initial recognition. During the year ended December 31, 2019, the Bank did not purchase or originate any POCI assets (2018 – nil).

For material Stage 1 and Stage 2 exposures, an ECL is generated for each individual exposure; however, the relevant parameters are modelled on a collective basis with all collective parameters captured by the individual loan-level models. The Bank groups exposures into smaller homogeneous portfolios, based on a combination of internal and external characteristics, such as product type, origination details, balance

history, geographic location, credit history and loan-to-value ratios. Stage 3 ECLs are either individually or collectively assessed, depending on the nature of the impairment.

Stage 3 credit impairments are measured as the difference between the asset's carrying amount and the present value of estimated future cash flows discounted at the asset's original EIR and reduced by estimated collection costs. Expected future cash flows are typically determined in reference to the fair value of collateral security and other credit enhancements underlying the mortgage loans, net of expected costs of realization and any amounts legally required to be paid to the borrowers, or observable market prices for the mortgage loans, if any.

ECLs related to financial guarantee contracts, letters of credit and undrawn and other loan commitments are recognized as a provision within other liabilities. When estimating lifetime ECLs for undrawn loan commitments, the Bank estimates the expected portion of the loan commitment that will be drawn down over its expected life. The ECL is then based on the present value of the expected shortfalls in cash flows if the loan is drawn down, based on a probability weighting of the four scenarios. The expected cash shortfalls are discounted at an approximation to the expected EIR on the loan.

In assessing whether credit risk has increased significantly, the Bank compares the risk of default occurring over the remaining expected life from the reporting date and the date of initial recognition. The assessment varies by product and risk segment. The assessment incorporates the Bank's internal credit risk ratings and a combination of borrower-specific and portfolio-level assessments, including the incorporation of forward-looking macroeconomic data. The assessment of SICR considers both absolute and relative thresholds. If contractual payments are more than 30 days past due, the credit risk is automatically deemed to have increased significantly since initial recognition.

When estimating ECLs, the Bank considers four scenarios. Economic forward-looking inputs include Gross Domestic Product ("GDP") growth, unemployment rates ("UEs") and house and share price indices. Application of each input varies by product. Depending on their usage in the models, macroeconomic inputs are projected at the country, province or more granular level. Each macroeconomic scenario used includes a projection of all relevant macroeconomic variables for a five-year period, subsequently reverting to long-run averages. In order to achieve an unbiased estimate, economic data used in the models is supplied by an external source. This information is compared to other publicly available forecasts, and the scenarios are assigned a probability weighting based on statistical analysis and management judgment.

The inputs and models used for calculating ECLs may not always capture all characteristics of the market at the date of the Consolidated Financial Statements. Qualitative factors that are not already considered in the modelling may be incorporated by exercising expert credit judgment in determining the final ECL.

When measuring the lifetime of a loan, the Bank considers the maximum contractual period, except for the Bank's revolving products (HELOCs, credit cards and other revolving loans), where the expected life is estimated based on the period over which the Bank is exposed to credit risk. The period the Bank is exposed to credit risk is the period that reflects the Bank's expectations of the customer behaviour, its likelihood of default and when applicable, any potential risk mitigation procedures.

Changes in the required ECL allowance are recorded in the provision for credit losses in the Consolidated Statements of Income. Financial instruments are written off, either partially or in full, against the related allowance for credit losses when there is no realistic prospect of recovery in respect of those amounts. This is considered a (partial) derecognition of the financial asset. In subsequent periods, any recoveries of amounts previously written off are credited to the provision for credit losses.

#### **(g) Other assets**

Other assets include prepaid expenses, accrued interest receivable, other receivables, capital assets, finite-life intangible assets and securitization retained interests. Accrued interest receivable, securitization retained interests and other financial assets are classified and measured at amortized cost. Capital assets are carried at cost less accumulated amortization computed on a straight-line basis over their

estimated useful lives, which range from two to ten years. Intangible assets are recorded at cost including expenditures that is directly attributable to the acquisition of the items, less accumulated amortization and impairment losses. Additions and subsequent expenditures are capitalized only to the extent that they enhance the future economic benefits expected to be derived from the assets. Intangible assets are amortized on a straight-line basis over their estimated useful lives of three to five years. Amortization of intangible assets is recorded in the Consolidated Statements of Income under other non-interest expenses.

Intangible assets are assessed for indicators of impairment at each reporting period, or more frequently when events or changes in circumstances dictate. If any indication of impairment exists, these assets are subject to an impairment test. When the carrying value exceeds the estimated recoverable amount, the assets are considered impaired and written down to their recoverable amount. Any impairment arising from a decline in value of intangible assets is charged to income in the period in which the losses are incurred.

#### **(h) Derivative financial instruments and hedge accounting**

The Bank uses derivative financial instruments (“derivatives”) to manage exposures to interest rate risk arising from the Bank’s on-balance sheet financial instruments. Derivatives embedded in other financial instruments (“host instruments”) are separately recorded as derivatives when their economic characteristics and risks are not clearly and closely related to those of the host instrument, the terms of the embedded derivative are the same as those of a stand-alone derivative and the host instrument itself is not recorded at FVTPL. Derivatives are classified and measured at FVTPL. Derivatives with unrealized gains are reported as derivative financial assets, and derivatives with unrealized losses are reported as derivative financial liabilities. Derivative assets and liabilities are offset and the net amount is presented in the Consolidated Statements of Financial Position when the Bank has a current legally enforceable right to offset the recognized amounts and intends to settle on a net basis or to realize the asset and settle the liability simultaneously.

Derivatives not in qualified hedging relationships are recorded at FVTPL and changes in their fair values are recorded in interest income.

A determination is made for each potential hedging relationship as to whether hedge accounting can be applied. Where the Bank has elected to use hedge accounting, a hedge relationship is designated and documented at inception. Hedge effectiveness is evaluated at inception and throughout the term of the hedge. Hedge accounting is only applied when the Bank expects that each hedging instrument will be highly effective in achieving offsetting changes in fair value attributable to the risk being hedged. The assessment of hedge effectiveness is performed quarterly. When it is determined that the hedging relationship is no longer effective, or the hedging instrument or the hedged item has been sold or terminated, the Bank discontinues hedge accounting prospectively. In such cases, if the derivative hedging instruments are not sold or terminated, any subsequent changes in fair value of the derivative are recognized in interest income.

The regression method is generally used to test hedge effectiveness and determine the hedge ratio. The main sources of potential hedge ineffectiveness are as follows:

- Differences in the cash flows due to derivative rate reset frequencies and timing of cash flows.
- Differences in the discounting factors due to timing of cash flows and yield basis differences.

For derivatives that are designated as hedging instruments, changes in fair values are recognized according to the nature of the risk being hedged, as described below.

#### *Fair value hedges*

In a fair value hedging relationship, changes in the fair value of the hedging instrument are recorded in interest income along with the changes in the fair value of the hedged item attributable to the hedged risk. The carrying value of the hedged item is adjusted for changes in fair value attributable to the hedged



risk. To the extent that changes in the fair value of the derivative do not offset the changes in the fair value of the hedged risk, any ineffectiveness will remain in income. When hedge accounting is discontinued, the carrying value of the hedged item is no longer adjusted and the cumulative fair value adjustments are amortized to income over the remaining term of the hedged item unless the hedged item is sold, at which time the balance is recognized immediately in income.

**(i) Demand and term deposits**

Term deposits include guaranteed investment certificates (“GICs”) and unsecured notes. Demand and term deposits are measured at amortized cost, net of related CAC.

**(j) Provisions and contingent liabilities**

Provisions are liabilities of uncertain timing and amount. A provision is recognized when the Bank has a present obligation (legal or constructive) arising from a past event, when it is probable that an outflow of economic resources will be required to settle the obligation and when the amount of the obligation can be reliably estimated. Provisions are based on the Bank’s best estimates of the economic resources required to settle the present obligation, given all relevant risks and uncertainties and, where it is significant, the effect of the time value of money.

Contingent liabilities are possible obligations that arise from past events whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Bank, or are present obligations that have arisen from past events, but are not recognized because it is not probable that settlement will require the outflow of economic benefits.

Management exercises judgment in determining whether a past event or transaction may result in the recognition of a provision or the disclosure of a contingent liability, for instance, in the case of legal actions or pending litigation.

**(k) Other liabilities**

Other liabilities are recorded at amortized cost. Other liabilities consist of payables to related parties, accrued interest payable, contract liabilities from contracts with customers (unearned revenue), credit card accrued loyalty provision, accounts payable and other accrued liabilities. Other liabilities also include the ECL allowance for undrawn loan commitments and other off-balance sheet exposures in scope of the IFRS 9 impairment requirements.

**(l) Income taxes**

The Bank provides for income taxes using the liability method of tax allocation. Under this method, the provision for income taxes is calculated based on income tax laws and income tax rates substantively enacted at the date of the Consolidated Statements of Financial Position. The income tax provision comprises two components: current income taxes and deferred income taxes. Current and deferred taxes relating to items recognized in OCI or directly in equity are similarly recognized in OCI or directly in equity, respectively.

Current income taxes are amounts expected to be payable or recoverable as a result of operations in the current year and any adjustments to income taxes payable in respect of previous years.

Deferred income taxes result from temporary differences between the carrying values of assets and liabilities and their respective tax bases. Deferred taxes are measured at the substantively enacted tax rates that are expected to be applied to temporary differences when they are expected to be recovered or settled.

A deferred tax asset is recognized to the extent that future realization of the tax benefit is probable. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the tax benefit will be realized. Current tax assets and liabilities are offset if there is a legally enforceable right to offset and they relate to income taxes levied by the same tax authority on the same taxable entity. Deferred tax assets and liabilities are offset when the same conditions are satisfied.

Deferred tax liabilities are recognized for all taxable temporary differences, except in respect of taxable temporary differences associated with investments in subsidiaries and investments subject to significant influence, where the timing of the reversal of the temporary differences can be controlled and it is probable that the temporary differences will not reverse in the foreseeable future.

**(m) Foreign currency translation**

Transactions in foreign currencies are initially recorded at the functional currency rate prevailing at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies are retranslated to the functional currency at the exchange rate in effect at the reporting date. Revenue and expenses denominated in foreign currencies are translated at the average exchange rate prevailing during the reporting period. Exchange gains and losses on monetary items are recognized in income.

**(n) Securitization transactions**

The Bank periodically securitizes HELOCs through Platinum Trust and Platinum Trust II. The Bank participates in two Canada Mortgage and Housing Corporation (“CMHC”) securitization programs: the Mortgage-Backed Securities (“MBS”) program under the *National Housing Act* (Canada) MBS program (“NHA MBS”) and the Canada Mortgage Bond (“CMB”) program.

When the Bank retains the right to receive cash flows from the financial assets or substantially all of the risks and rewards of the transferred assets, the transferred assets are not derecognized from its Consolidated Statements of Financial Position and are accounted for as secured financing transactions.

Financial assets are derecognized when the Bank’s contractual rights to the cash flows from the assets have expired, or when the Bank retains the rights to receive the cash flows of the assets, but assumes an obligation to pay those cash flows to a third party subject to certain pass-through requirements, or when the Bank transfers its contractual rights to receive the cash flows and substantially all of the risk and rewards of the assets have been transferred. In the determination of whether the Bank has transferred substantially all of the risk and rewards of the transferred assets, management also considers the Bank’s exposure to the variability in the amount and timing of net cash flows of the transferred assets before and after the transfer. If the variability in cash flows does not change significantly as a result of the transfer, the Bank is considered to have retained substantially all of the risks and rewards of ownership.

The Bank’s internal securitization programs do not meet derecognition requirements. HELOCs securitized through Platinum Trust and Platinum Trust II remain on the Bank’s Consolidated Statements of Financial Position, as the Bank retains the prepayment and interest rate risk associated with these accounts, which represents substantially all of the risks and rewards associated with the transferred assets. The Bank continues to recognize the accounts as assets and records a notes payable liability, which is accounted for at amortized cost. Interest income on the assets and interest expense on the notes payable are recorded using the EIR method. Transactions under the Platinum Trust and Platinum Trust II programs are consolidated with the Bank.

Single-family residential mortgages securitized through the NHA MBS and CMB programs remain on the Bank’s Consolidated Statements of Financial Position as the Bank retains the prepayment, interest rate, other price risks and the interest spread between the securities and the underlying mortgage assets. Mortgages that have been securitized through the NHA MBS program, but have not been sold to external parties, and mortgages sold to Canada Housing Trust (“CHT”) through the CMB program are included in mortgage and other loans. The Bank continues to classify and measure these assets at amortized cost.

The Bank periodically purchases CMHC-insured multi-unit residential mortgages from third-party originators and pools the mortgages into the NHA MBS and CMB programs. As the Bank’s continuing exposure to prepayment and credit risk on the sold mortgages is negligible, the transaction qualifies for partial balance sheet derecognition. These mortgages are recognized on the Bank’s Consolidated Statements of Financial Position only to the extent of the Bank’s continuing involvement in the mortgages, which is limited to its retained interest. Securitization retained interests are classified and measured at

amortized cost and included in other assets. Gains or losses on these transactions are recognized as gain on sale of mortgages and recognized in interest income in the Consolidated Statements of Income.

#### **(o) Recognition of income and expenses**

##### *Interest income and expense*

Interest income and expense are recognized in the Consolidated Statements of Income using the EIR method for all interest-bearing financial instruments except those classified as FVTPL. The EIR method is a method of calculating the amortized cost of a financial asset or liability and of allocating the interest income or interest expense over the expected life of the financial instrument. The EIR is the rate that exactly discounts the estimated future cash payments or receipts over the expected life of the financial instrument or, when appropriate, a shorter period, to the net carrying amount of the financial asset or financial liability. The EIR is calculated by taking into account any discount or premium on acquisition, fees and costs that are an integral part of the EIR.

The Bank calculates interest income by applying the EIR to the gross carrying amount of financial assets other than credit-impaired assets. When a financial asset becomes credit-impaired, interest income is calculated by applying the EIR to the net amortized cost of the financial asset. If the financial asset cures and is no longer credit-impaired, interest income is calculated on a gross basis.

Dividend income is recognized in interest income when the Bank's right to receive payment is established.

##### *Fee income*

Revenue from contracts with customers is recognized as fee income when obligations under the terms of a contract with the customer are satisfied. Revenue is measured at the amount of consideration received, or expected to be received, in exchange for services rendered. Revenue excludes amounts collected on behalf of third parties.

Fee income includes revenue from transaction processing, administration and other services provided to the customer on a pay-as-you-go basis. These fees include ABM fees, certain referral fees and transaction fees relating to the Bank's mortgage, loan, deposit and credit card products. Revenue is recognized at a point in time, when the service is rendered. Timing of billing and cash collection typically occur at time of transaction. The fees have no variable consideration, non-cash consideration or significant financing components. Consideration received is non-refundable.

Revenue from monthly administration and annual service fees are recognized on a straight-line basis over the term of the contract, consistent with the satisfaction of the Bank's performance obligations. The Bank usually has a single performance obligation for each contract consisting of similar related services for the customer. Fees recognized over time include monthly administrative fees, annual loan and credit card fees, certain referral fees, and Trustee and Custodial fees. The fees have no variable consideration, non-cash consideration or significant financing components. Consideration received is non-refundable.

Fee income is recognized gross of related expenses, with the exception of certain credit card fees that are presented on a net basis. For these credit card fees, the expense arises concurrently to the related revenue, and net presentation reflects the substance of the transaction. Additionally, credit card interchange fee income is accounted for net of credit card loyalty expense. Credit card loyalty expense is treated as consideration payable to the customer and recognized as a reduction to the transaction price. A net presentation reflects the substance of the transaction as these expenses occur concurrently with the related revenue and relate to the same counterparty as part of the same agreement.

In some circumstances, the Bank acts as agent in the satisfaction of performance obligations to the customer. These include certain credit card services and referral services. Under these circumstances, the Bank recognizes the net amount of consideration received as revenue.

A contract liability is recognized when the Bank has an obligation to transfer services to a customer for which the Bank has received consideration. The Bank recognizes annual credit card fees as a contract

liability when consideration is received from the customer. Contract liabilities are included within other liabilities. These fees are amortized to income on a straight-line basis over the 12-month contract term, consistent with the satisfaction of the Bank's performance obligations. The Bank applies the practical expedient in paragraph 121 of IFRS 15 *Revenue from Contracts with Customers* and does not disclose information about remaining performance obligations at the reporting date that have original expected durations of one year or less.

Consideration that the Bank is entitled to for services performed is recognized as a receivable if there are no other conditions other than the passage of time. Receivables from contracts with customers are recognized within other assets. A contract asset is recognized when the Bank has a right to consideration in exchange for services that the Bank has transferred to a customer when that right is conditioned on something other than the passage of time. There were no contract assets recognized by the Bank as at December 31, 2019 (2018 – nil).

Incremental costs of obtaining or fulfilling a contract with a customer are recognized as an asset when certain criteria are met. Costs that relate to satisfied performance obligations are expensed. No assets for costs to obtain or fulfill a contract were recognized by the Bank as at December 31, 2019 (2018– nil).

#### *Non-interest expenses*

Non-interest expenses are recognized when incurred.

### **Note 3: Changes in Accounting Policies and Disclosures**

Effective January 1, 2019, the Bank adopted the following new accounting pronouncement.

#### **(a) Amendments to IFRS 9**

Effective January 1, 2019, the Bank adopted the amendments issued in October 2017 to IFRS 9. The amendments allow financial assets to be measured at amortized cost or FVOCI even if the lender is required to pay a reasonable compensation in the event of an early termination of the contract by the borrower (also referred to as prepayment features with negative compensation). Adoption of these amendments did not have an impact on the Bank's Consolidated Financial Statements.

#### **(b) Future accounting and reporting changes**

The following amendments have been issued, but are not yet effective. The Bank is currently assessing the impact of the application of these amendments on its Consolidated Financial Statements and will adopt these standards when they become effective.

##### **(i) Conceptual Framework for Financial Reporting**

In March 2018, the IASB issued a revised version of its "Conceptual Framework for Financial Reporting" ("conceptual framework") to replace its 2010 conceptual framework. The revised conceptual framework is effective for annual periods beginning on or after January 1, 2020. Early application is permitted. The Bank is currently assessing the impact of the revisions, but adoption is not expected to have a material impact on the Bank's Consolidated Financial Statements.

##### **(ii) Interest Rate Benchmark Reform**

In September 2019, the IASB published Phase 1 of its amendments to IFRS 9 and IAS 39 *Financial Instruments: Recognition and Measurement*, as well as IFRS 7 *Financial Instruments: Disclosures*, to provide relief from the potential effects of the uncertainty arising from the phase out of interest rate benchmarks. This Interbank Offered Rate (IBOR) reform may impact the valuation of the Bank's existing interest-rate linked securities and derivatives. The IASB amendments are effective for annual periods beginning on or after January 1, 2020. The Bank is currently assessing the impact of the adoption of this standard, but adoption is not expected to have a material impact on the Bank's Consolidated Financial Statements.

## Note 4: Derivatives

Derivatives are financial instruments that have value derived from underlying interest rates, foreign exchange rates, other financial instruments' prices, commodity prices or indices. The Bank uses derivatives to manage current and anticipated exposures to changes in interest rates and to better match the cash flows of assets and liabilities.

The Bank primarily uses vanilla interest rate swaps, which are over-the-counter ("OTC") contractual agreements to exchange fixed-and-floating rate interest payments based on a specified amount of notional principal with a swap counterparty.

The Bank uses derivatives for economic hedging purposes. In certain circumstances, these hedges also meet the requirements for hedge accounting. The changes in fair value of such derivatives flow directly to the Consolidated Statements of Income. During the year, the Bank recorded an unrealized gain of nil (2018 – nil) on the derivatives, which were not designated as hedging instruments. Hedging relationships eligible for hedge accounting are designated as fair value hedges. All the Bank's hedges as at December 31, 2019 and 2018 are fair value hedges that are designed to hedge the interest rate risk of GICs and other term deposits.

### Derivatives in fair value hedging relationships

The Bank recognizes gains and losses on derivatives used in fair value hedges, as well as gains and losses on the related hedged items in interest income.

The following table summarizes the effects of fair value hedges on the Consolidated Statements of Financial Position and Consolidated Statements of Income.

	Hedged items in fair value hedging relationships	Gains recognized on derivatives	Losses recognized for hedged items	Ineffectiveness recognized in income <sup>(1)</sup>	Carrying value of hedged item	Accumulated adjustments included in the carrying value of hedged items	Accumulated adjustments remaining for any hedged item that has ceased to be adjusted for hedging gains and losses
<b>For the year ended December 31, 2019</b>	Interest rate swaps	\$ 7	\$ (6)	\$ 1	\$ 357	\$ 6	\$ 1
<b>For the year ended December 31, 2018</b>	Interest rate swaps	\$ 3	\$ (3)	\$ -	\$ 533	\$ 13	\$ -

<sup>(1)</sup> Hedge ineffectiveness is recognized in interest income in the Consolidated Statements of Income.

### Fair value of derivatives

The pricing models used to value OTC interest rate swaps are based on market standard valuation methodologies, and the inputs to these models are consistent with what a market participant would use when pricing the instruments. Derivative valuations can be affected by changes in Banker's Acceptance ("BA") swap rates, credit spreads and default risk (including default risk of the counterparties to the contract). The significant inputs to the pricing models for most OTC derivatives are inputs that are observable or can be corroborated by observable market data and are classified as Level 2 as per the fair value measurement hierarchy described in Note 14. Inputs that are observable generally include interest rates and BA swap curves and volatilities. The Bank has not used unobservable inputs in the valuation of the OTC interest rate swaps held as at December 31, 2019 and 2018. The credit risk of both the counterparty and the Bank are considered in determining the fair value for all OTC derivatives after considering the effects of netting agreements and collateral arrangements.

The fair values of derivatives are summarized by term to maturity in the following tables. Fair values shown do not incorporate the impact of master netting agreements.

<b>Term to maturity As at December 31, 2019</b>	Less than 1 year	1 to 3 years	3 to 5 years	Total
Derivative liabilities	\$ -	\$ (5)	\$ -	\$ (5)

<b>Term to maturity As at December 31, 2018</b>	Less than 1 year	1 to 3 years	3 to 5 years	Total
Derivative liabilities	\$ -	\$ (1)	\$ (12)	\$ (13)

The gross notional amount and the fair value of derivative contracts by the underlying risk exposure for all derivatives in hedging and economic hedging relationships are summarized by term to maturity in the following tables.

<b>As at December 31, 2019</b>	Remaining term to maturity (notional)			Fair value			Credit risk equivalent <sup>(2)</sup>	Risk- weighted amount <sup>(3)</sup>
	Less than 1 year	1 to 5 years	Total	Positive	Negative	Net		
Interest rate swaps <sup>(1)</sup>								
Qualifying hedging relationships	\$ -	\$ 350	\$ 350	\$ -	\$ (6)	\$ (6)	\$ 3	\$ 1
Non-qualifying hedge accounting relationships	-	1	1	-	-	-	-	-
Less accrued interest	-	-	-	-	(1)	(1)	-	-
<b>Total</b>	<b>\$ -</b>	<b>\$ 351</b>	<b>\$ 351</b>	<b>\$ -</b>	<b>\$ (5)</b>	<b>\$ (5)</b>	<b>\$ 3</b>	<b>\$ 1</b>

<b>As at December 31, 2018</b>	Remaining term to maturity (notional)			Fair value			Credit risk equivalent <sup>(2)</sup>	Risk- weighted amount <sup>(3)</sup>
	Less than 1 year	1 to 5 years	Total	Positive	Negative	Net		
Interest rate swaps <sup>(1)</sup>								
Qualifying hedging relationships	\$ -	\$ 519	\$ 519	\$ -	\$ (14)	\$ (14)	\$ 3	\$ 1
Less accrued interest	-	-	-	-	(1)	(1)	-	-
<b>Total</b>	<b>\$ -</b>	<b>\$ 519</b>	<b>\$ 519</b>	<b>\$ -</b>	<b>\$ (13)</b>	<b>\$ (13)</b>	<b>\$ 3</b>	<b>\$ 1</b>

(1) The average fixed interest rate as at December 31, 2019 of the hedging instrument was 1.4% (2018 – 1.4%).

(2) Credit risk equivalent is the sum of replacement cost and the potential future credit exposure. Replacement cost represents the current cost of replacing all contracts with a positive fair value. The amounts take into consideration legal contracts that permit offsetting of positions. The potential future credit exposure is calculated based on a formula prescribed by OSFI.

(3) Risk-weighted amount represents the credit risk equivalent, weighted according to the creditworthiness of the counterparty, as prescribed by OSFI.

### Embedded derivatives

The Bank does not have any financial instruments or contracts that contain embedded derivatives requiring bifurcation.

## Note 5: Securities

The Bank's debt securities are classified as FVOCI and equity securities are classified as FVTPL. The following tables outline the carrying values of the securities by contractual maturity.

	Remaining term to maturity			With no specific maturity	Total
	Within 1 year	1 to 3 years	3 to 5 years		
<b>As at December 31, 2019</b>					
Debt securities measured as FVOCI					
Corporate and other					
Canada <sup>(1)</sup>	\$ -	\$ 3	\$ -	\$ -	\$ 3
United States <sup>(1)</sup>	40	149	8	-	197
International <sup>(1)</sup>	8	16	8	-	32
<b>Total debt securities measured as FVOCI</b>	<b>\$ 48</b>	<b>\$ 168</b>	<b>\$ 16</b>	<b>\$ -</b>	<b>\$ 232</b>
Equity securities measured as FVTPL					
Canadian public equities <sup>(1)</sup>	\$ -	\$ -	\$ -	\$ 133	\$ 133
<b>Total securities</b>	<b>\$ 48</b>	<b>\$ 168</b>	<b>\$ 16</b>	<b>\$ 133</b>	<b>\$ 365</b>

<sup>(1)</sup> Geographic location based on country of issuer.

	Remaining term to maturity			With no specific maturity	Total
	Within 1 year	1 to 3 years	3 to 5 years		
<b>As at December 31, 2018</b>					
Debt securities measured as FVOCI					
Government and agency	\$ 48	\$ -	\$ -	\$ -	\$ 48
Corporate and other					
Canada <sup>(1)</sup>	7	3	-	-	10
United States <sup>(1)</sup>	55	97	20	-	172
International <sup>(1)</sup>	11	25	-	-	36
<b>Total debt securities measured as FVOCI</b>	<b>\$ 121</b>	<b>\$ 125</b>	<b>\$ 20</b>	<b>\$ -</b>	<b>\$ 266</b>
Equity securities measured as FVTPL					
Canadian public equities <sup>(1)</sup>	\$ -	\$ -	\$ -	\$ 166	\$ 166
<b>Total securities</b>	<b>\$ 121</b>	<b>\$ 125</b>	<b>\$ 20</b>	<b>\$ 166</b>	<b>\$ 432</b>

<sup>(1)</sup> Geographic location based on country of issuer.

As at December 31, 2019 and 2018, all debt securities measured and classified as FVOCI are classified in Stage 1, with their credit quality falling mainly in the "Investment Grade" category according to the Bank's internal risk-rating categories.

Net gains on securities measured as FVTPL in the Consolidated Statements of Income for the year ended December 31, 2019 of \$20 include \$15 of net unrealized gains and \$5 of net realized gains on the sale of securities (2018 – net losses of \$26 include \$36 of net unrealized losses and \$10 of net realized gains on the sale of securities).

## Note 6: Mortgage and Other Loans

The following tables summarize total amounts of mortgage and other loans (gross and net of allowances) and gross impaired mortgages and other loans for the Bank.

As at December 31, 2019	Gross amount of loans	Allowance for ECLs			Total	Net amount of loans	Gross impaired loans
		Stage 1	Stage 2	Stage 3			
Mortgage loans <sup>(1)</sup>	\$ 20,445	\$ 3	\$ 5	\$ 3	\$ 11	\$ 20,434	\$ 60
Other loans <sup>(2)</sup>	1,744	1	-	-	1	1,743	9
<b>Total</b>	<b>\$ 22,189</b>	<b>\$ 4</b>	<b>\$ 5</b>	<b>\$ 3</b>	<b>\$ 12</b>	<b>\$ 22,177</b>	<b>\$ 69</b>

As at December 31, 2018	Gross amount of loans	Allowance for ECLs			Total	Net amount of loans	Gross impaired loans
		Stage 1	Stage 2	Stage 3			
Mortgage loans <sup>(1)</sup>	\$ 19,842	\$ 2	\$ 8	\$ 4	\$ 14	\$ 19,828	\$ 57
Other loans <sup>(2)</sup>	1,798	1	-	-	1	1,797	6
<b>Total</b>	<b>\$ 21,640</b>	<b>\$ 3</b>	<b>\$ 8</b>	<b>\$ 4</b>	<b>\$ 15</b>	<b>\$ 21,625</b>	<b>\$ 63</b>

<sup>(1)</sup> Mortgage loans include CAC and HELOCs.

<sup>(2)</sup> Other loans include CAC.

As at December 31, 2019, the Bank had 20.7 per cent (2018 – 23.9 per cent) of its total mortgage loan portfolio insured through CMHC and 11.7 per cent (2018 – 10.8 per cent) insured through private insurers.

An analysis of changes in the gross carrying amount and the corresponding ECL allowances in relation to mortgage loans is as follows.

Mortgage loans	Gross carrying amount			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2019:</b>	<b>\$ 15,424</b>	<b>\$ 4,361</b>	<b>\$ 57</b>	<b>\$ 19,842</b>
New financial assets originated or purchased during the year	2,595	83	-	2,678
Transfers:				
Transfers from Stage 1	(601)	578	23	-
Transfers from Stage 2	3,538	(3,558)	20	-
Transfers from Stage 3	5	4	(9)	-
Remeasurement	(335)	42	(2)	(295)
Derecognition and maturities	(1,319)	(432)	(2)	(1,753)
Derecognitions due to credit write-offs	-	-	(27)	(27)
<b>As at December 31, 2019</b>	<b>\$ 19,307</b>	<b>\$ 1,078</b>	<b>\$ 60</b>	<b>\$ 20,445</b>

Mortgage loans	Gross carrying amount			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2018:</b>	<b>\$ 11,743</b>	<b>\$ 6,924</b>	<b>\$ 35</b>	<b>\$ 18,702</b>
New financial assets originated or purchased during the year	2,346	593	7	2,946
Transfers:				
Transfers from Stage 1	(2,051)	2,046	5	-
Transfers from Stage 2	4,556	(4,613)	57	-
Transfers from Stage 3	7	9	(16)	-
Remeasurement	(143)	116	(8)	(35)
Derecognition and maturities	(1,034)	(714)	-	(1,748)
Derecognitions due to credit write-offs	-	-	(23)	(23)
<b>As at December 31, 2018</b>	<b>\$ 15,424</b>	<b>\$ 4,361</b>	<b>\$ 57</b>	<b>\$ 19,842</b>



<b>Mortgage loans</b>	ECLs			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2019:</b>	\$ 3	\$ 12	\$ 5	\$ 20
Transfers:				
Transfers from Stage 2	6	(6)	-	-
Remeasurement <sup>(1)</sup>	(6)	2	4	-
Derecognition and maturities	-	(1)	-	(1)
Derecognitions due to credit write-offs	-	-	(4)	(4)
<b>As at December 31, 2019</b>	<b>\$ 3</b>	<b>\$ 7</b>	<b>\$ 5</b>	<b>\$ 15</b>
<b>Includes:</b>				
<b>Amounts drawn</b>	\$ 3	\$ 5	\$ 3	\$ 11
<b>Off-balance sheet exposures</b>	-	2	2	4
	<b>\$ 3</b>	<b>\$ 7</b>	<b>\$ 5</b>	<b>\$ 15</b>

<sup>(1)</sup> During 2019, the Bank implemented model refinements to the ECL staging criteria, resulting in a decrease in ECL of \$4 million. The impact of this adjustment is included within the remeasurement line above.

<b>Mortgage loans</b>	ECLs			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2018:</b>	\$ 3	\$ 14	\$ 6	\$ 23
New financial assets originated or purchased during the year	-	1	-	1
Transfers:				
Transfers from Stage 2	9	(10)	1	-
Transfers from Stage 3	-	1	(1)	-
Remeasurement	(9)	7	6	4
Derecognition and maturities	-	(1)	-	(1)
Derecognitions due to credit write-offs	-	-	(7)	(7)
<b>As at December 31, 2018</b>	<b>\$ 3</b>	<b>\$ 12</b>	<b>\$ 5</b>	<b>\$ 20</b>
<b>Includes:</b>				
<b>Amounts drawn</b>	\$ 2	\$ 8	\$ 4	\$ 14
<b>Off-balance sheet exposures</b>	1	4	1	6
	<b>\$ 3</b>	<b>\$ 12</b>	<b>\$ 5</b>	<b>\$ 20</b>

The contractual amount outstanding on mortgage loans that have been written off, but were still subject to enforcement activity, was nil at December 31, 2019 (2018 – \$0.1).

An analysis of changes in the gross carrying amount and the corresponding ECL allowances in relation to other loans is as follows.

<b>Other loans</b>	Gross carrying amount			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2019:</b>	\$ 1,331	\$ 461	\$ 6	\$ 1,798
New financial assets originated or purchased during the year	148	1	4	153
Transfers:				
Transfers from Stage 1	(16)	13	3	-
Transfers from Stage 2	343	(344)	1	-
Transfers from Stage 3	2	-	(2)	-
Remeasurement	54	(3)	-	51
Derecognition and maturities	(183)	(72)	-	(255)
Derecognitions due to credit write-offs	-	-	(3)	(3)
<b>As at December 31, 2019</b>	<b>\$ 1,679</b>	<b>\$ 56</b>	<b>\$ 9</b>	<b>\$ 1,744</b>

<b>Other loans</b>	Gross carrying amount			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2018:</b>	\$ 1,287	\$ 450	\$ 3	\$ 1,740
New financial assets originated or purchased during the year	243	19	(1)	261
Transfers:				
Transfers from Stage 1	(457)	454	3	-
Transfers from Stage 2	396	(400)	4	-
Transfers from Stage 3	2	-	(2)	-
Remeasurement	32	(9)	-	23
Derecognition and maturities	(172)	(53)	-	(225)
Derecognitions due to credit write-offs	-	-	(1)	(1)
<b>As at December 31, 2018</b>	<b>\$ 1,331</b>	<b>\$ 461</b>	<b>\$ 6</b>	<b>\$ 1,798</b>

<b>Other loans</b>	ECLs			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2019:</b>	\$ 2	\$ -	\$ -	\$ 2
Remeasurement	-	-	2	2
Derecognitions due to credit write-offs	-	-	(1)	(1)
<b>As at December 31, 2019</b>	<b>\$ 2</b>	<b>\$ -</b>	<b>\$ 1</b>	<b>\$ 3</b>
<b>Includes:</b>				
<b>Amounts drawn</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1</b>
<b>Off-balance sheet exposures</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>2</b>
	<b>\$ 2</b>	<b>\$ -</b>	<b>\$ 1</b>	<b>\$ 3</b>

<b>Other loans</b>	ECLs			
	Stage 1	Stage 2	Stage 3	Total
<b>As at January 1, 2018:</b>	\$ 1	\$ -	\$ -	\$ 1
New financial assets originated or purchased during the year	1	-	-	1
Remeasurement	-	-	1	1
Derecognition and maturities	-	-	(1)	(1)
<b>As at December 31, 2018</b>	<b>\$ 2</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2</b>
<b>Includes:</b>				
<b>Amounts drawn</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1</b>
<b>Off-balance sheet exposures</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
	<b>\$ 2</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2</b>

The contractual amount outstanding on other loans that have been written off, but were still subject to enforcement activity, was \$0.6 at December 31, 2019 (2018 – \$0.3).

The table below presents a reconciliation of the ECLs in the Consolidated Statements of Financial Position by line item.

	Mortgage loans		Other loans		Off-balance sheet exposures <sup>(2)</sup>		Total
Balance, January 1, 2018	\$	16	\$	1	\$	7	\$ 24
Provision for credit losses		5		-		-	5
Write-offs <sup>(1)</sup>		(7)		-		-	(7)
Balance, December 31, 2018	\$	14	\$	1	\$	7	\$ 22
Provision for credit losses		1		1		(1)	1
Write-offs <sup>(1)</sup>		(4)		(1)		-	(5)
<b>Balance, December 31, 2019</b>	<b>\$</b>	<b>11</b>	<b>\$</b>	<b>1</b>	<b>\$</b>	<b>6</b>	<b>\$ 18</b>

<sup>(1)</sup> Included in write-offs are recoveries of \$0.7 in 2019 (2018 – \$0.9).

<sup>(2)</sup> The allowance for ECLs on off-balance sheet exposures is presented within other liabilities.

### Macroeconomic variables

The following tables represent the average values of the macroeconomic variables used in the Bank's calculation of ECLs over the next 12 months and the remaining four-year forecast period for the base forecast and five-year forecast period for the other scenarios.

<b>As at December 31, 2019</b>	Base forecast		Downside	Halfshock	Upside
	Next 12 months <sup>(1)</sup>	Remaining 4-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>
<b>Macroeconomic variables</b>					
UE	5.6%	5.9%	7.8%	6.7%	4.6%
GDP	1.4%	1.7%	0.8%	1.4%	2.1%
Housing Price Index ("HPI")	3.6%	3.8%	(2.9%)	1.2%	4.4%
Stock Price Index ("SPI")	3.5%	3.5%	(1.7%)	2.6%	5.4%

<b>As at December 31, 2018</b>	Base forecast		Downside	Halfshock	Upside
	Next 12 months <sup>(1)</sup>	Remaining 4-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>	5-year period <sup>(1)</sup>
<b>Macroeconomic variables</b>					
UE	6.0%	6.2%	9.0%	7.8%	5.6%
GDP	1.6%	1.5%	0.2%	1.0%	1.7%
HPI	4.3%	3.6%	(3.8%)	1.5%	3.9%
SPI	7.0%	3.3%	1.8%	2.7%	5.0%

<sup>(1)</sup> The numbers represent average values for the stated periods.

## Sensitivity of allowance for ECLs

The allowance for credit losses is sensitive to the inputs used in the ECL models, macroeconomic variables in the forward-looking forecasts and respective probability weightings in determining the probability-weighted ECL. Changes in these inputs, assumptions, models, and judgments would have an impact on the assessment for SICR and the measurement of ECLs.

The following table presents the base ECL scenario compared to the probability-weighted ECL derived from using four ECL scenarios. The difference reflects the impact of deriving multiple scenarios around the base ECL and change in ECL due to sensitivity to using macroeconomic forecasts.

<b>As at December 31,</b>	<b>2019</b>		<b>2018</b>	
Probability-weighted ECL	\$	18	\$	22
Base ECL		17		21
Difference – in amount	\$	1	\$	1
Difference – in percentage		0.8%		2.6%

## Note 7: Other Assets

Other assets consist of the following:

<b>As at December 31,</b>	<b>2019</b>		<b>2018</b>	
Prepaid expenses	\$	25	\$	29
Accrued interest receivable on other financial assets		10		10
Intangible assets, net		14		14
Receivable from related parties <i>(Note 17)</i>		2		1
Securitization retained interest <i>(Note 15)</i>		31		7
Other receivables		12		11
<b>Total other assets</b>	\$	94	\$	72

The following table presents the intangible asset movement during the year.

	Internally generated software	Other intangible assets <sup>(1)</sup>	Total
<b>Cost</b>			
Balance, January 1, 2018	\$ 14	\$ 5	\$ 19
Additions	5	-	5
Disposals	-	(1)	(1)
Balance, December 31, 2018	19	4	23
Additions	<b>3</b>	<b>1</b>	<b>4</b>
<b>Balance, December 31, 2019</b>	<b>\$ 22</b>	<b>\$ 5</b>	<b>\$ 27</b>
<b>Accumulated amortization</b>			
Balance, January 1, 2018	\$ 3	\$ 4	\$ 7
Amortization	2	-	2
Balance, December 31, 2018	5	4	9
Amortization	<b>3</b>	<b>1</b>	<b>4</b>
<b>Balance, December 31, 2019</b>	<b>\$ 8</b>	<b>\$ 5</b>	<b>\$ 13</b>
<b>Net carrying amount</b>			
Balance, December 31, 2018	\$ 14	\$ -	\$ 14
<b>Balance, December 31, 2019</b>	<b>\$ 14</b>	<b>\$ -</b>	<b>\$ 14</b>

<sup>(1)</sup> Other intangible assets primarily consist of software licenses.

Internally generated software includes \$2 (2018 – \$4) pertaining to projects under development yet to be amortized.

## Note 8: Income Taxes

Components of the income tax expense are as follows:

<b>For the years ended December 31,</b>	<b>2019</b>	<b>2018</b>
Current tax expense	\$ 29	\$ 25
Deferred taxes		
Reversal of temporary differences	29	14
<b>Income tax expense</b>	<b>\$ 58</b>	<b>\$ 39</b>

### Reconciliation of income tax expense

The effective income tax rate reported in the Consolidated Statements of Income varies from the Canadian tax rate of 26.70 per cent for the year ended December 31, 2019 (2018 – 26.70 per cent) for the following reasons:

## Reconciliation of income tax expense

<b>For the years ended December 31,</b>	<b>2019</b>	<b>2018</b>
Net income before income taxes	\$ 223	\$ 151
Income tax expense at Canadian statutory tax rate	\$ 59	\$ 41
Decrease in income taxes due to:		
Tax-exempt investment income	(1)	(2)
<b>Income tax expense</b>	<b>\$ 58</b>	<b>\$ 39</b>

## Deferred taxes

### (a) Recognized deferred tax assets and liabilities

Deferred tax assets and liabilities are offset when there is a legally enforceable right to offset current income tax assets against current income tax liabilities and they relate to the same tax authority in the same taxable entity.

<b>As at December 31,</b>	<b>2019</b>	<b>2018</b>
Deferred tax asset		
Loss carryforward	\$ 153	\$ 99
Allowance for ECLs	3	4
<b>Deferred tax asset</b>	<b>\$ 156</b>	<b>\$ 103</b>
Deferred tax liability		
Deferred expenses	\$ 66	\$ 67
Intangible assets	3	2
<b>Deferred tax liability</b>	<b>\$ 69</b>	<b>\$ 69</b>
<b>Net deferred tax asset<sup>(1)</sup></b>	<b>\$ 87</b>	<b>\$ 34</b>

<sup>(1)</sup> 2019 deferred tax asset balance of \$87 in above table is comprised of the MBC deferred tax asset balance of \$88 (2018 – \$35) and the deferred tax liability relating to MTC of \$1 (2018 – \$1).

## (b) Movement in net deferred tax asset and liability

	Loss carryforwards	Allowance for ECLs	Intangible assets	Deferred expenses	Total
Balance, January 1, 2019	\$ 99	\$ 4	\$ (2)	\$ (67)	\$ 34
Recognized in profit or loss	(28)	(1)	(1)	1	(29)
Recognized in equity	82	-	-	-	82
<b>Balance, December 31, 2019</b>	<b>\$ 153</b>	<b>\$ 3</b>	<b>\$ (3)</b>	<b>\$ (66)</b>	<b>\$ 87</b>

	Loss carryforwards	Allowance for ECLs	Intangible assets	Deferred expenses	Total
Balance, January 1, 2018	\$ 44	\$ 3	\$ (2)	\$ (61)	\$ (16)
Impact of adopting IFRS 9	-	2	-	-	2
Recognized in profit or loss	(6)	(1)	-	(6)	(13)
Recognized in equity	61	-	-	-	61
<b>Balance, December 31, 2018</b>	<b>\$ 99</b>	<b>\$ 4</b>	<b>\$ (2)</b>	<b>\$ (67)</b>	<b>\$ 34</b>

As at December 31, 2019, the Bank has approximately \$574 (2018 – \$370) of tax loss carryforwards available, which will expire in the years 2036-2039. A tax benefit, related to these tax loss carryforwards, in the amount of \$153 (2018 – \$99) has been recognized in deferred income taxes for 2019.

The Bank is subject to income tax laws in various jurisdictions. Tax laws are complex and potentially subject to different interpretations by the taxpayer and the relevant tax authority. The provision for income taxes and deferred tax represents management's interpretation of the relevant tax laws and its estimate of current and future income tax implications of the transactions and events during the reporting periods. The Bank may be required to change its provision for income taxes or deferred tax balances when the ultimate deductibility of certain items is successfully challenged by taxing authorities or if estimates used in determining the amount of deferred tax assets change significantly, or when receipt of new information indicates the need for adjustments in the amount of deferred taxes to be recognized. Additionally, future events, such as changes in tax laws, tax regulations, or interpretations of such laws or regulations, may have an impact on the provision for income taxes, deferred tax balances and the effective income tax rate. Any such changes may materially affect the amounts reported in the Consolidated Financial Statements in the year these changes occur.

## Note 9: Other Liabilities

The Bank's other liabilities consist of the following:

As at December 31,	2019	2018
Accrued interest payable	\$ 78	\$ 78
Payable to related parties (Note 17e)	32	31
Accounts payable and accrued liabilities	37	40
Allowance for ECLs on off-balance sheet exposures (Note 6) <sup>(1)</sup>	6	7
<b>Total other liabilities</b>	<b>\$ 153</b>	<b>\$ 156</b>

<sup>1)</sup> An allowance for ECLs on off-balance sheet exposures is calculated and reported in other liabilities.

## Note 10: Share Capital

### (a) Authorized

The authorized capital of the Bank consists of:

- an unlimited number of voting, non-redeemable common shares without nominal or par value; and
- an unlimited number of non-voting, redeemable preferred shares (subject to regulatory approval) entitled to non-cumulative dividends at an average dividend rate of 5.56%, issuable in series, without nominal or par value.

### (b) Issued and outstanding

#### *Common shares*

1,809,915 (2018 – 1,733,572) common shares that are voting and entitled to dividends as declared. These common shares are non-redeemable, and at dissolution, the holders have the right to receive the remaining property of the Bank.

The Bank has the following issued and outstanding common shares:

	2019		2018	
	Number of shares outstanding	Amount	Number of shares outstanding	Amount
Balance, January 1	1,733,572	\$ 217	1,733,568	\$ 217
Issuance of common shares	76,343	50	4	0
<b>Balance, December 31</b>	<b>1,809,915</b>	<b>\$ 267</b>	<b>1,733,572</b>	<b>\$ 217</b>

During 2019, 76,335 additional common shares were issued as part of a capital management strategy with MLI (Notes 17 and 20).

During 2019, 8 additional common shares (2018 – 4 common shares) were issued as part of a tax loss utilization strategy with MLI (Note 17).

During 2019, the Bank declared and paid dividends of \$50 (2018 – \$45) on its common shares.

#### *Preferred shares*

As at December 31, 2019, the Bank has 229,000 (2018 – 229,000) issued and outstanding preferred shares valued at \$229 (2018 – \$229).

All redemptions or cancellations of preferred shares are subject to the consent and approval of OSFI.



The following table presents a breakdown of the Bank's preferred shares by series.

Series	Issue date	Annual rate of dividend	2019			2018		
			Number of shares outstanding	Dividends declared ('000')	Dividends declared \$/per share	Number of shares outstanding	Dividends declared ('000')	Dividends declared \$/per share
G	February 23, 2006	5.00%	9,000	\$ 450	50.00	9,000	\$ 450	50.00
H	June 29, 2006 to November 28, 2008	5.25%	60,000	3,150	53.00	60,000	3,150	52.50
I	December 19, 2008 to February 25, 2009	6.25%	35,000	2,188	63.00	35,000	2,188	62.50
J	December 23, 2010	5.50%	50,000	2,750	55.00	50,000	2,750	55.00
K	December 21, 2017	5.60%	75,000	4,200	56.00	75,000	4,200	56.00
<b>Total</b>			<b>229,000</b>	<b>\$12,738</b>		<b>229,000</b>	<b>\$ 12,738</b>	

### *Terms of preferred shares*

Preferred shares are non-voting and entitled to non-cumulative preferential cash dividends payable quarterly, if and when declared. With regulatory approval, the shares may be redeemed by the Bank on or after the fifth anniversary of the issuance date, in whole or in part.

## **Note 11: Net Interest Income**

Interest income consists of the following:

<b>For the years ended December 31,</b>	<b>2019</b>	<b>2018</b>
Interest income calculated using the EIR method		
Cash and cash equivalents at FVOCI	\$ 80	\$ 43
Debt securities at FVOCI	6	6
Mortgage and other loans at amortized cost	831	748
Dividend income on securities measured at FVTPL	6	6
Gains on sale of securitized mortgages	5	-
Net losses on derivatives ( <i>Note 4</i> )	(2)	(1)
<b>Total interest income</b>	<b>\$ 926</b>	<b>\$ 802</b>

Interest expense consists of the following:

<b>For the years ended December 31,</b>	<b>2019</b>	<b>2018</b>
Deposits	\$ 410	\$ 328
Notes payable	84	73
<b>Total interest expense</b>	<b>\$ 494</b>	<b>\$ 401</b>

## Note 12: Fee Income

Fee income consists of the following:

<b>For the year ended December 31, 2019</b>	Transfer of services at a point in time	Transfer of services over time	Total
ABM <sup>(1)</sup>	\$ 15	\$ -	\$ 15
Transaction processing, administration and service fees	5	15	20
Trustee and custodial fees	-	1	1
Other	-	1	1
<b>Total</b>	<b>\$ 20</b>	<b>\$ 17</b>	<b>\$ 37</b>

<b>For the year ended December 31, 2018</b>	Transfer of services at a point in time	Transfer of services over time	Total
ABM <sup>(1)</sup>	\$ 17	\$ -	\$ 17
Transaction processing, administration and service fees	4	15	19
Trustee and custodial fees	-	2	2
<b>Total</b>	<b>\$ 21</b>	<b>\$ 17</b>	<b>\$ 38</b>

<sup>(1)</sup> ABM-related expenses totalled \$23 in 2019 (2018 – \$24). ABM expenses are classified within other non-interest expenses in the Consolidated Statements of Income.

## Note 13: Commission Expense

Commission expense consists of the following:

<b>For the years ended December 31,</b>	<b>2019</b>	2018
Demand deposits	\$ 24	\$ 22
Mortgage loans	16	16
Other loans	1	1
<b>Total commission expense</b>	<b>\$ 41</b>	<b>\$ 39</b>

## Note 14: Fair Value Measurement

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in a transaction between market participants at the measurement date, that is, an exit value. The exit value assumes the asset or liability is exchanged in an orderly transaction; it is not a forced liquidation or distressed sale.

When available, quoted market prices are used to determine fair value. If quoted market prices are not available, fair value is typically based upon alternative valuation techniques such as discounted cash flows, matrix pricing, consensus pricing services and other techniques. The Bank's quality assurance process includes a review of price movements relative to the market, a comparison of prices between vendors, and a comparison to internal matrix pricing that uses external observable data. Broker quotes are used only when external public vendor prices are not available.

The following table presents the fair values and carrying amounts of the Bank's financial instruments.

As at December 31,	2019		2018	
	Carrying value	Fair value	Carrying value	Fair value
<b>Assets</b>				
Cash and cash equivalents and restricted cash	\$ 4,586	\$ 4,586	\$ 3,022	\$ 3,022
Securities	365	365	432	432
Mortgage and other loans, net	22,177	22,363	21,625	21,745
Other financial assets	55	55	29	29
<b>Liabilities</b>				
Demand deposits	14,015	14,015	12,459	12,459
Term deposits	7,687	7,764	7,452	7,502
Notes payable	3,881	3,879	3,774	3,756
Derivative financial liabilities	5	5	13	13
Other financial liabilities	146	146	146	146

Fair values are based on the following methods of valuation and assumptions:

For financial instruments that are not carried on the Consolidated Statements of Financial Position at fair value and where the Bank considers the carrying value to be a reasonable approximation of fair value due to their short-term nature or variable rate features, the fair values disclosed for these financial instruments are assumed equal to their carrying value. These financial instruments are other financial assets, demand deposits and other financial liabilities.

Equity securities' fair value is determined using quoted active market prices.

Debt securities' fair value is based on quoted market prices when available. When market prices are not available, fair value is generally determined by discounting the future cash flows, using market inputs for similar financial instruments with comparable terms and credit quality. The significant inputs into these models include, but are not limited to, yield curves, credit risks and spreads, measures of volatility and prepayment rates.

Fair value for fixed-rate residential and commercial mortgage loans is determined using the discounted cash flow method. Inputs used for valuation primarily comprise prevailing interest rates as well as posted client rates and prepayment rates, if applicable. Fair value of floating-rate mortgage loans and credit card loans is assumed to equal carrying value, since interest rate changes have minimal impact on fair value of these loans. Where a floating-rate mortgage has a fixed spread above the benchmark rate, the mortgage loan is valued using current market spreads for equivalent-rated borrowers.

Fixed-rate bank loans' fair value is determined using the discounted cash flow method. Inputs used for the valuation primarily comprise the prevailing interest rate as well as posted client rates. Fair value of floating-rate bank loans is assumed to be their carrying value, since interest rate changes have minimal impact on fair value of such loans.

Term deposits' fair value is determined by discounting the contractual cash flows using interest rates currently offered for deposits with similar terms.

The Bank categorizes fair value measurements according to a three-level hierarchy. The hierarchy prioritizes the inputs used by the Bank's valuation techniques. A level is assigned to each fair value

measurement based on the lowest level input significant to the fair value measurement in its entirety. The three levels of the fair value hierarchy are defined as follows:

Level 1 – Fair value measurements that reflect unadjusted, quoted prices in active markets for identical assets and liabilities that the Bank has the ability to access at the measurement date. Valuations are based on quoted prices reflecting market transactions involving assets or liabilities identical to those being measured.

Level 2 – Fair value measurements using inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. These measurements include quoted prices for similar assets and liabilities in active markets, quoted prices for identical or similar assets and liabilities in inactive markets, inputs that are observable that are not prices (such as interest rates and credit risks) and inputs that are derived from or corroborated by observable market data. Most debt securities are classified within Level 2. Also, included in the Level 2 category are derivative financial assets and liabilities that are priced using models with observable market inputs.

Level 3 – Fair value measurements using significant non-market observable inputs. These include valuations for assets and liabilities that are derived using data, some or all of which is not market observable, including assumptions about risk. Level 3 securities include less liquid securities such as structured asset-backed securities, commercial MBS, other securities that have little or no price transparency and mortgages due to the observability and significance of valuation inputs. Embedded and complex derivatives are also included in Level 3 when these instruments exist.

The following tables present the fair value of the Bank's financial instruments measured at fair value in the Consolidated Statements of Financial Position, categorized by level under the fair value hierarchy.

<b>As at December 31, 2019</b>	Total fair value	Level 1	Level 2	Level 3
<b>Assets</b>				
Cash and cash equivalents and restricted cash	\$ 4,586	\$ 4,576	\$ 10	\$ -
Securities	365	133	219	13
<b>Total assets carried at fair value</b>	<b>\$ 4,951</b>	<b>\$ 4,709</b>	<b>\$ 229</b>	<b>\$ 13</b>
Derivative financial liabilities	(5)	-	(5)	-
<b>Total</b>	<b>\$ 4,946</b>	<b>\$ 4,709</b>	<b>\$ 224</b>	<b>\$ 13</b>

<b>As at December 31, 2018</b>	Total fair value	Level 1	Level 2	Level 3
<b>Assets</b>				
Cash and cash equivalents and restricted cash	\$ 3,022	\$ 3,022	\$ -	\$ -
Securities	432	166	258	8
<b>Total assets carried at fair value</b>	<b>\$ 3,454</b>	<b>\$ 3,188</b>	<b>\$ 258</b>	<b>\$ 8</b>
Derivative financial liabilities	(13)	-	(13)	-
<b>Total</b>	<b>\$ 3,441</b>	<b>\$ 3,188</b>	<b>\$ 245</b>	<b>\$ 8</b>

With the exception of derivative liabilities, there were no financial liabilities measured at fair value as at December 31, 2019 or December 31, 2018.

The following tables present the financial instruments that are not measured at fair value in the Consolidated Statements of Financial Position and their classifications in the fair value hierarchy.

<b>As at December 31, 2019</b>	Total fair value	Level 1	Level 2	Level 3
<b>Assets:</b>				
Mortgage and other loans <sup>(1, 2)</sup>	\$ 22,363	\$ -	\$ 1,745	\$ 20,618
Other financial assets	55	-	55	-
<b>Total assets disclosed at fair value</b>	<b>\$ 22,418</b>	<b>\$ -</b>	<b>\$ 1,800</b>	<b>\$ 20,618</b>
<b>Liabilities:</b>				
Demand deposits	\$ 14,015	\$ -	\$ 14,015	\$ -
Term deposits	7,764	-	7,764	-
Secured borrowing	3,879	-	3,879	-
Other financial liabilities	146	-	146	-
<b>Total liabilities disclosed at fair value</b>	<b>\$ 25,804</b>	<b>\$ -</b>	<b>\$ 25,804</b>	<b>\$ -</b>

<b>As at December 31, 2018</b>	Total fair value	Level 1	Level 2	Level 3
<b>Assets:</b>				
Mortgage and other loans <sup>(1, 2)</sup>	\$ 21,745	\$ -	\$ 1,801	\$ 19,944
Other financial assets	29	-	29	-
<b>Total assets disclosed at fair value</b>	<b>\$ 21,774</b>	<b>\$ -</b>	<b>\$ 1,830</b>	<b>\$ 19,944</b>
<b>Liabilities:</b>				
Demand deposits	\$ 12,459	\$ -	\$ 12,459	\$ -
Term deposits	7,502	-	7,502	-
Secured borrowing	3,756	-	3,756	-
Other financial liabilities	146	-	146	-
<b>Total liabilities disclosed at fair value</b>	<b>\$ 23,863</b>	<b>\$ -</b>	<b>\$ 23,863</b>	<b>\$ -</b>

(1) The fair value of fixed-rate mortgage loans is determined using the discounted cash flow method. Inputs used for valuation primarily comprise prevailing interest rates as well as posted client rates and prepayment rates, if applicable. Fair value of floating-rate mortgage loans is assumed to be their carrying value, since interest rate changes have minimal impact on fair value of such mortgages.

(2) The fair value of fixed-rate bank loans is determined using the discounted cash flow method. Inputs used for the valuation primarily comprise the prevailing interest rate as well as posted client rates (Level 2). Fair value of floating-rate bank loans is assumed to be their carrying value, since interest rate changes have minimal impact on fair value of such loans (Level 2).

The Bank's policy is to record transfers of assets and liabilities between Level 1 and Level 2 at their fair values as at the end of each reporting period, consistent with the date of the determination of fair value. Assets are transferred out of Level 1 when they are no longer transacted with sufficient frequency and volume in an active market. During the years ended December 31, 2019 and 2018, the Bank had no transfers from Level 1 to Level 2. Conversely, assets are transferred from Level 2 to Level 1 when transaction volume and frequency are indicative of an active market. The Bank also had no transfers from Level 2 to Level 1 during the years ended December 31, 2019 and 2018. There were no changes in fair value methods during the year.

Transfers to and from Level 3 can occur as a result of additional or new information regarding the valuation inputs and changes in their observability. There were no transfers to or from Level 3 during the years ended December 31, 2019 and 2018.

## Note 15: Mortgage Securitizations

The Bank has a program that periodically securitizes residential mortgage loans through the creation of MBS under the NHA MBS program and securitizes HELOCs through Platinum Trust and Platinum Trust II.

### *HELOCs*

The Bank securitizes a portion of its HELOC accounts through Platinum Trust and Platinum Trust II. HELOC accounts insured by CMHC are securitized under the Platinum Trust program and uninsured HELOC accounts are securitized under Platinum Trust II.

The federal government issued new Mortgage Loan Regulations in 2016, which mandate that insured loans can only be securitized in government-backed securitization programs. These provisions apply to mortgage loans insured after July 1, 2016, and impact all note issuances under the Platinum Trust program, which must mature prior to the effective date of December 31, 2021.

The HELOC accounts, which meet eligibility criteria as defined in the program documentation, are pooled by the Bank, and undivided co-ownership interests are then sold to the respective Platinum Trust or Platinum Trust II. Platinum Trust and Platinum Trust II fund the purchase of the co-ownership interests by issuing term notes, collateralized by the underlying pool of HELOCs, to institutional investors. The Bank's continuing involvement in these securitization programs includes servicing the receivables and performing an administrative role for the trusts.

If the underlying pool of HELOCs becomes uncollectible, the Bank has provided credit support to Platinum Trust in the form of restricted cash reserve accounts in the amount of \$8 (2018 – \$8) that will be drawn upon only in the event of insufficient cash flows from the underlying HELOCs to satisfy the notes payable, over-collateralization of the pool, and excess spread consisting of excess cash receipts that are only attributable to the Bank after the periodic obligations of Platinum Trust have been met.

The Bank provides credit enhancements to Platinum Trust II in the form of over-collateralization of the pool and ownership interest, and excess spread consisting of excess cash receipts that are only attributable to the Bank after the periodic obligations of Platinum Trust II have been met.

The Bank provides loans to Platinum Trust and Platinum Trust II to pay upfront transaction costs. These loans rank subordinate to all notes issued by Platinum Trust and Platinum Trust II.

Assets transferred under the securitization programs are legally isolated from the Bank's assets. The cash flows received from these assets are used to settle the related notes payable. The transferred assets and related cash flows cannot be transferred or used for other purposes. Under the HELOC securitization programs, receipts of principal are allocated to the Bank during the revolving period of the transaction or paid to the note holder during the reduction period where applicable.

### *Canadian Residential Mortgage Loans*

The Bank issues securities backed by insured, amortizing Canadian Residential Mortgage Loans (including amortizing sub-account components of HELOCs) through the NHA MBS program. NHA MBS are amortizing securities, with principal and interest paid to investors on a monthly basis.

The NHA MBS program requires issuers to maintain additional cash reserves within the NHA MBS principal and interest custodial account to cover deposits of unscheduled principal payments. As at December 31, 2019, the NHA MBS cash reserves totalled \$24 (2018 – \$28). This balance has been classified as restricted cash in the Consolidated Statements of Financial Position.

The MBS created through the NHA MBS program are sold to CHT as part of the CMB program or are held by the Bank. CHT issues CMB to institutional investors and uses the resulting proceeds to purchase NHA MBS from the Bank and other mortgage issuers within the Canadian market.

For securitized single-family residential mortgages, the Bank continues to be exposed to substantially all of the risks and rewards of the underlying mortgages, through the retention of a seller swap, which transfers principal and interest payment risk on the NHA MBS back to the Bank in return for the semi-annual coupon paid on the CMB series. Single-family residential NHA MBS and sales of NHA MBS into the CMB program do not qualify for derecognition as the Bank continues to be exposed to substantially all of the risks and rewards of the underlying residential mortgages.

The Bank also securitizes CMHC-insured multi-unit residential mortgages from third-party originators, through the NHA MBS program, that are subsequently sold into the CMB program. As the Bank's continuing exposure to prepayment and credit risk on the sold mortgages is negligible, the transaction qualifies for partial balance sheet derecognition. These mortgages are recognized on the Bank's Consolidated Statements of Financial Position only to the extent of the Bank's continuing involvement in the mortgages, which is limited to its retained interest. As at December 31, 2019, \$620 (December 31, 2018 – \$243) of multi-unit NHA MBS have been sold into the CMB program.

During 2019, \$377 multi-unit residential mortgages were derecognized (2018 – nil) and \$5 gains on sale of multi-unit residential mortgages were recognized (2018 – nil). As at December 31, 2019, \$572 (December 31, 2018 – \$227) of purchased insured multi-unit residential mortgages were derecognized from the Bank's Consolidated Financial Statements, and \$31 (December 31, 2018 – \$7) was recognized as securitization retained interests.

The carrying amounts of on-balance sheet securitized assets and the associated liabilities are as follows:

Securitization program As at December 31, 2019	Securitized assets			Notes payable
	Securitized mortgages	Restricted cash	Total	
HELOC securitization – Platinum Trust <sup>(1)</sup>	\$ 1,500	\$ 8	\$ 1,508	\$ 1,500
HELOC securitization – Platinum Trust II <sup>(2)</sup>	785	-	785	750
NHA MBS unsold <sup>(3)</sup>	1,504	24	1,528	-
CMB securitization	1,620	-	1,620	1,631
<b>Total</b>	<b>\$ 5,409</b>	<b>\$ 32</b>	<b>\$ 5,441</b>	<b>\$ 3,881</b>

Securitization program As at December 31, 2018	Securitized assets			Notes payable
	Securitized mortgages	Restricted cash	Total	
HELOC securitization – Platinum Trust <sup>(1)</sup>	\$ 1,500	\$ 8	\$ 1,508	\$ 1,500
HELOC securitization – Platinum Trust II <sup>(2)</sup>	785	-	785	750
NHA MBS unsold <sup>(3)</sup>	1,375	28	1,403	-
CMB securitization	1,525	-	1,525	1,524
<b>Total</b>	<b>\$ 5,185</b>	<b>\$ 36</b>	<b>\$ 5,221</b>	<b>\$ 3,774</b>

<sup>(1)</sup> The Platinum Trust notes payable comprise Series 2011-1 of \$1,500 (2018 – \$1,500). The notes have floating rates of interest and are secured by Platinum Trust's assets. According to the provisions of the Series Purchase Agreement, Series 2011-1 entered into a reduction period on December 1, 2019, with the first principal payment scheduled to commence on January 15, 2020, and the remaining principal to be paid in instalments during the reduction period based on a pro rata share of the principal collections until the original expected maturity date of December 15, 2021. Subsequent to year-end, on January 15, 2020, the Bank agreed to purchase the Series 2011-1 note from the investor for consideration totalling the outstanding balance of \$1,500, pursuant to the Series 2011-1 Note Purchase Agreement. This transaction supersedes the anticipated payments originally stipulated during the reduction period under the original Series Purchase Agreement. Cash reserves in the amount of \$8 will be repatriated to the Bank after completion of the note purchase.

<sup>(2)</sup> The Platinum Trust II notes payable comprise Series 2016-1 of \$500 (2018 – \$500) and Series 2018-1 of \$250 (2018 – \$250). In 2019, there were no term notes issued (2018 – \$250). Series 2018-1 is expected to mature December 15, 2022. Series 2016-1 is expected to mature June 15, 2022. The notes have floating rates of interest and are secured by Platinum Trust II assets. The outstanding principal of the Series 2016-1 notes will be paid in instalments during the reduction period beginning June 15, 2020, based on a pro rata share of the principal collections. The outstanding principal of the Series 2018-1 notes will be paid in instalments during the reduction period beginning December 15, 2020, based on a pro rata share of the principal collections. Under the terms of the Series 2016-1 and Series 2018-1 notes, additional collateral must be provided to the series as added credit protection. The Series 2016-1 and Series 2018-1 Purchase Agreements govern the amount of over-collateralization.

<sup>(3)</sup> When a security is created but remains unsold, no liability is recognized.



The fair values of the on-balance sheet securitized assets and associated liabilities are as follows:

Securitization program As at December 31, 2019	Securitized assets			Notes payable	Net position
	Securitized mortgages	Restricted cash	Total		
HELOC securitization – Platinum Trust	\$ 1,500	\$ 8	\$ 1,508	\$ 1,500	\$ 8
HELOC securitization – Platinum Trust II	785	-	785	750	35
NHA MBS unsold	1,538	24	1,562	-	1,562
CMB securitization	1,657	-	1,657	1,629	28
<b>Total</b>	<b>\$ 5,480</b>	<b>\$ 32</b>	<b>\$ 5,512</b>	<b>\$ 3,879</b>	<b>\$ 1,633</b>

Securitization program As at December 31, 2018	Securitized assets			Notes payable	Net position
	Securitized mortgages	Restricted cash	Total		
HELOC securitization – Platinum Trust	\$ 1,500	\$ 8	\$ 1,508	\$ 1,500	\$ 8
HELOC securitization – Platinum Trust II	785	-	785	750	35
NHA MBS unsold	1,398	28	1,426	-	1,426
CMB securitization	1,550	-	1,550	1,506	44
<b>Total</b>	<b>\$ 5,233</b>	<b>\$ 36</b>	<b>\$ 5,269</b>	<b>\$ 3,756</b>	<b>\$ 1,513</b>

Interest and other fees on the notes payable totalled \$84 in 2019 (2018 – \$73).

## Note 16: Net change in Operating Assets and Liabilities

For the years ended December 31,	2019	2018
Increase in mortgage and other loans	\$ (597)	\$ (1,245)
Decrease in current tax receivable	-	1
Increase in other assets	(21)	(9)
Increase in deposits	1,804	1,478
Activity in securitization liabilities		
Proceeds from the issuance of securitization notes	107	250
Increase in current tax liability	1	2
(Decrease) increase in other liabilities	(3)	53
Decrease in derivatives	(8)	(3)
<b>Net change in operating assets and liabilities</b>	<b>\$ 1,283</b>	<b>\$ 527</b>

## Note 17: Related Party Transactions

All related party transactions are with MFC and its subsidiaries. Unless otherwise indicated, related party payables and receivables are non-interest bearing with no specific terms of repayment.

### Consolidated Statements of Financial Position

(a) The following table summarizes mortgage and other loans and deposits to/from related parties.

As at December 31, (Canadian \$ in thousands)	2019	2018
<b>Mortgage and other loans</b>		
Key management personnel <sup>(1,2)</sup>	\$ 2,449	\$ 2,467
MFC <sup>(3)</sup>	<b>21,858</b>	26,371
<b>Total mortgage and other loans</b>	<b>\$ 24,307</b>	\$ 28,838
<b>Deposits</b>		
Key management personnel <sup>(1)</sup>	\$ 7,429	\$ 7,240
MLI <sup>(4)</sup>	<b>253,068</b>	253,207
MLI subsidiaries	<b>36,742</b>	50,817
<b>Total deposits</b>	<b>\$ 297,239</b>	\$ 311,264

<sup>(1)</sup> Key management personnel (“KMP”) are those that have the authority and responsibility for planning, directing and controlling the activities of the Bank. KMP include all members of the Executive Leadership Team and the Board of Directors.

<sup>(2)</sup> These loans and deposits are interest-bearing at market rates and have the same contractual terms as those at an arm’s-length transaction, with the exception of a select suite of mortgage, credit card and deposit products where the Bank offers a subsidy on fees and preferential interest rates to senior officers, which is the same offer extended to all employees of the Bank and MFC.

<sup>(3)</sup> Mortgage and other loans include business acquisition loans to the advisors affiliated with MFC. The loans are issued to the advisors for the purpose of buying a block of business from another advisor.

<sup>(4)</sup> Short-term deposit from MLI has been extended, maturing May 22, 2020.

(b) MLI holds all of the Bank’s outstanding preferred and common shares.

(c) During 2019, the Bank paid \$13 in preferred share dividends (2018 – \$12) and \$50 in common share dividends (2018 – \$45) to MLI.

(d) The Bank has agreements with MLI that allow for the deposit and borrowing of funds with MLI as follows:

As at December 31,			2019		2018	
Type	Rate	Currency	Limit	Balance	Limit	Balance
To deposit	CDOR - 4bps	CDN	\$ 5,000	\$ 4,221	\$ 5,000	\$ 2,837
To borrow	CDOR + 4bps	CDN	500	-	500	-
To deposit	1 month LIBOR - 12.5 bps	USD <sup>(1)</sup>	1,500	323	1,500	156
To borrow	1 month LIBOR	USD <sup>(1)</sup>	200	-	200	-

<sup>(1)</sup> Limit reported in USD. Balance reported in CDN.

The Bank has deposited cash in Special Purpose Liquidity Pools that have been guaranteed by MLI and are backed by eligible investments, as governed by the MFC Liquidity Pool Investments Limits and Guidelines Policy, as well as the Bank’s Investment Policy and Liquidity Management Policy. The deposit is reported as cash and cash equivalents and is classified and measured at FVOCI.

(e) Other outstanding balances, transactions or arrangements with MLI and one of its subsidiaries are as follows:

As at December 31,	2019	2018
<b>Assets</b>		
Other assets	\$ 2	\$ 1
<b>Liabilities</b>		
Other liabilities	32	31
<b>Other transactions and arrangements</b>		
Guarantees and commitments <sup>(1)</sup>	30	42

<sup>(1)</sup> MLI has provided guarantees for certain loans outstanding and for the assets purchased from MLI that do not perform. Guarantees and commitments are measured at the greater of carrying value or authorized limit.

During 2019, \$50 million in common shares were issued as part of a capital management strategy with MLI (Notes 10 and 20).

During 2019, the Bank acquired all the issued and outstanding shares of 11326759 Canada Inc., 11326783 Canada Inc., 11326791 Canada Inc. and 1132680 Canada Inc. on a tax deferred basis from MLI on December 30, 2019. Canada Inc. was then wound up into the Bank on December 31, 2019. Contributed surplus of \$82 million was recorded in the Bank on the recognition of a future income tax asset in respect of income tax losses incurred in 11326759 Canada Inc., 11326783 Canada Inc., 11326791 Canada Inc. and 1132680 Canada Inc.

During 2018, the Bank acquired all the issued and outstanding shares of 10673994 Canada Inc. and 10674052 Canada Inc. on a tax deferred basis from MLI on December 28, 2018. 10673994 Canada Inc. and 10674052 Canada Inc. were then wound up into the Bank on December 31, 2018. Contributed surplus of \$61 million was recorded in the Bank on the recognition of a future income tax asset in respect of income tax losses incurred in 10673994 Canada Inc. and 10674052 Canada Inc.

### Consolidated Statements of Income

The Consolidated Statements of Income include the following transactions with MFC advisors, MLI and one of its subsidiaries.

For the years ended December 31,	2019	2018
<b>Revenue</b>		
Interest income on:		
Cash equivalent with MLI	\$ 80	\$ 43
Loans to MFC's advisors	1	1
<b>Expenses</b>		
Interest expense <sup>(1)</sup>	8	7
Commission expense <sup>(2)</sup>	41	39
Other operating expenses		
Overhead support services	41	36
Administration fee expense	1	1

<sup>(1)</sup> Interest expense includes the following: interest on deposits from MLI subsidiaries, interest expense on notes payable to MLI and interest expense on segregated fund deposit accounts.

<sup>(2)</sup> Commission expense includes fees paid to MFC advisors and brokers in relation to revenue-generating activities.

## Compensation of KMP

The Bank participates in MFC's compensation programs. The table below provides aggregate information on compensation for KMP.

<b>For the years ended December 31,</b>	<b>2019</b>		<b>2018</b>	
Short-term employee benefits including salaries <sup>(1)</sup>	\$	5	\$	4
Share-based payments		1		1
<b>Total</b>	<b>\$</b>	<b>6</b>	<b>\$</b>	<b>5</b>

<sup>(1)</sup> Short-term employee benefits include post-employment benefits of \$0.3 (2018 – \$0.2).

The compensation is paid directly by the Bank with the exception of the share-based payments. MLI pays share-based payments to the Bank's KMP, and the expense is included in MLI's overhead costs for support services charged to the Bank.

In addition to the Bank's KMP, MLI provides support in planning, directing and controlling the activities of the Bank. During 2019, MLI charged the Bank \$0.4 (2018 – \$0.3) for this executive support, which is included in its overhead costs for support services above.

## Note 18: Contingencies and Commitments

### (a) Legal proceedings

The Bank is regularly involved in legal proceedings both as a defendant and as a plaintiff that arise in the ordinary course of business. The Bank does not expect the ultimate resolution of any of these proceedings to have a material impact on results.

### (b) Standby letters of credit

Standby letters of credit are issued at the request of the Bank's related parties and customers in order to secure the related parties' or customers' payment or performance obligations to a third party. These letters of credit represent irrevocable obligations of the Bank to pay third-party beneficiaries upon presentation of the letter of credit and satisfaction of the documentary requirements stipulated therein without investigation as to the validity of the beneficiary's claim against the customers. Generally, the terms of such letters of credit do not exceed one year. The types and amounts of collateral security or third-party guarantees held by the Bank for these letters of credit are generally the same as for loans. Due to changing rates and principal balances, the Bank cannot estimate the amount that may be demanded. As at December 31, 2019, the Bank had outstanding standby letters of credit of \$6 (2018 – \$17), of which nil (2018 – \$11) was issued to related parties.

### (c) Indemnifications

In the ordinary course of business, the Bank enters into many contracts that contain indemnification provisions, such as purchase contracts, service agreements, escrow arrangements, outsourcing agreements and clearing system agreements. In such contracts, the Bank may indemnify counterparties to the contracts for certain aspects of the Bank's past conduct if other parties fail to perform, or if certain events occur, such as changes in laws and regulations including tax legislation, changes in financial condition of third parties, infringements and breaches of representations and warranties, undisclosed liabilities and loss caused by the actions of third parties, or as a result of litigation claims by third parties. These indemnification provisions will vary based upon the contract. In certain types of arrangements, the Bank may in turn obtain indemnifications from other parties to the arrangement or may have access to collateral under recourse provisions. In many cases, there are no pre-determined amounts or limits included in these indemnification provisions and the occurrence of contingent events that will trigger payment under them is difficult to predict. Therefore, the Bank cannot estimate in all cases the maximum potential future amount that may be payable, nor the amount of collateral or assets available under recourse provisions that would mitigate any such payments. As at December 31, 2019, the Bank no longer

provides MBNA Cards indemnification for clients' personal credit cards (2018 – 427 credit cards totalling \$2). In 2019, the Bank wrote off \$0.2 (2018 – \$0.1), as a result of this indemnification.

#### **(d) Commitments to extend credit**

In the normal course of business, various other indirect commitments are outstanding that are not reflected on the Consolidated Statements of Financial Position, including commitments to extend credit. Such commitments represent undertakings to make credit available in the form of loans or other financing for specific amounts and maturities. These financial commitments are subject to normal credit standards, financial controls and monitoring procedures. As at December 31, 2019, the Bank had committed to extend credit on mortgage and other loans and credit cards for a total of \$451 (2018 – \$355). Unutilized credit commitments on lines of credit and credit cards as at December 31, 2019 were \$10,175 (2018 – \$9,472).

#### **(e) ECLs on off-balance sheet exposures**

The Bank is required to estimate credit losses on certain off-balance sheet exposures, including irrevocable commitments to extend credit, unutilized credit commitments and letters of credit. The ECLs for off-balance sheet exposures are included within other liabilities (Note 9); for additional disclosures, refer to Notes 2 and 6.

### **Note 19: Risk Management and Corporate Governance**

The Bank is exposed to credit risk, market risk, operational risk, and liquidity risk, as well as strategic and regulatory risks. The Bank manages these risks using an Enterprise Risk Management (“ERM”) framework. The Bank’s objective is to balance risk levels with business objectives for growth and profitability.

#### **(a) Risk management framework**

The Bank’s ERM framework sets out policies and standards of practice related to governance, identification, measurement, monitoring, control and mitigation of risk. The Chief Risk Officer (“CRO”) is accountable for developing, establishing, implementing, maintaining and enhancing the ERM framework.

In addition, risk management programs are in place for each of the Bank’s broad risk categories: strategic, market, credit, liquidity, and operational. These programs incorporate policies and standards of practice that are aligned with the ERM framework covering:

- Assignment of risk management accountabilities;
- Philosophy and appetite related to assuming risks;
- Establishment of specific risk targets or limits;
- Delegation of authorities related to risk-taking activities;
- Identification, measurement, assessment, monitoring and reporting of risks; and
- Activities related to risk control and mitigation.

The Bank’s framework is centred on three lines of defence.

As the first line of defence, senior management of the various business areas is accountable for the management of risk within those areas and for the implementation of related controls. Management is responsible for ensuring that the Bank’s business strategies align with its risk-taking philosophy, risk appetite and culture. Furthermore, management evaluates and manages risk exposures consistent with ERM policies and standards of practice. Management is also responsible for delivering returns commensurate with the level of risk assumed.

The second line of defence comprises the CRO and the risk management group. The risk management group provides independent oversight (including validation and verification) and challenges assumptions regarding risk-taking and risk mitigation activities. Furthermore, the Manulife Bank Executive Risk Committee (“MBERC”) provides support to the executive leadership team for overseeing general

risk-taking and risk mitigation activities.

As the third line of defence, Audit Services provides independent analyses of the effectiveness of controls and assesses whether controls are appropriate relative to the risk inherent in the business. Audit Services also reviews risk mitigation programs and risk oversight functions.

## **(b) Risk governance and management structure**

### *Board of Directors*

The Board of Directors of both the Bank and MTC (“Board of Directors”) oversees management’s implementation of appropriate systems to identify and manage the principal risks of the business. The Board of Directors reviews and approves the ERM policy, risk-taking philosophy and overall risk appetite with the assistance of the Board committees: the Audit Committee, the Risk Committee and the Conduct Review and Governance Committee. The Chief Executive Officer is directly accountable to the Board of Directors for all risk-taking activities and risk management practices, and is supported by the CRO and the Executive Management Committees. The Executive Management Committees establish risk policies, guide risk-taking activities, monitor significant risk exposures and sponsor strategic risk management priorities for the Bank and MTC.

The Audit Committee of the Bank and MTC is responsible for assisting the Board of Directors with its oversight of the quality and integrity of financial information, the effectiveness of internal controls over financial reporting, the effectiveness of compliance with legal and regulatory requirements and the effectiveness of risk management and compliance practices.

The Conduct Review and Governance Committee of the Bank and MTC oversees compliance with policies and procedures related to conflicts of interest, confidentiality of information, customer complaints and related party transactions.

The Risk Committee of the Bank and MTC is responsible for assisting the Board of Directors with its oversight of the management of principal risks, including the effectiveness of internal controls over principal risks and the effectiveness of compliance with risk management policies.

### *Executive management committees*

The Bank has established several roles and committees as part of its governance and management structure.

The MBERC provides advisory support to senior management regarding governance and risk oversight. The MBERC also monitors the Bank’s overall credit risk profile and compliance with credit risk policies, establishes overall Credit Quality Standards, and approves large individual credits and investments.

The Credit Risk Committee provides ongoing review of Credit Standards, reviews credit reports and trending, and recommends action plans and policy and process revisions.

The Asset Liability Committee (“ALCO”) reviews, provides oversight for, and approves policy frameworks and reports related to liquidity, funding and structural interest rate risk management.

The Operational Risk Committee (“ORC”) establishes, reviews, and approves operational risk policies. The ORC also oversees operational risk management and monitors operational risk exposures and trends.

The Capital Management Committee (“CMC”) provides strategic and integrated oversight and direction on capital management.

The IFRS 9 Governance Committee provides oversight and direction for all significant matters relating to the IFRS 9 impairment requirements.

### (c) Credit risk

Credit risk is the risk of loss due to the inability or unwillingness of a borrower or counterparty to fulfill its payment obligations. The Bank's primary objective is to be methodical in its credit risk assessment in order to better understand, select and manage exposures.

The Bank has established policies that set exposure limits by borrower, quality rating, industry and geographic region. The Bank currently does not participate in the credit derivative market and has no exposure to credit default swaps. The CRO, together with the MBERC, sets out objectives related to the overall quality and diversification of lending portfolios and establishes criteria for the selection of counterparties and intermediaries. The CRO monitors compliance with all credit policies and limits and reports the results to senior management and Board of Directors.

The Board of Directors is responsible for reviewing and approving key credit risk management policies and material changes to management-level credit risk policies. A review system sensitized to prescribed total credit exposure and risk-rating thresholds is in place and is maintained so that:

- The borrower's current financial condition is known;
- Collateral security is adequate and enforceable relative to the borrower's current circumstances;
- Credits are in compliance with covenants and margins;
- Early identification and classification of at-risk credit is possible;
- Current information regarding the quality of the loan portfolio is available; and
- Commercial (non-personal) credits are reviewed at least annually in order to assess the risk of default.

The Bank's risk rating systems are designed to assess and monitor credit risk. The risk assessment and monitoring processes for the lending portfolio and derivatives contracts are described below.

For mortgage and other loans, an internal risk rating is assigned ranging from "1 – low risk, 2 – normal risk, 3 – medium risk, 4 to 8 – high risk" to "9 – default". The internal risk ratings reflect the credit quality and PD of the financial instrument. All lending assets that the Bank originates are assigned a risk rating.

The following table provides the PD ranges to risk rating categorization as at December 31, 2019 and December 31, 2018.

<b>IRR value by PD</b>	<b>PD range</b>	<b>Risk assessment</b>
1	<= 0.0015	Low
2	0.0016 - 0.0041	Normal
3	0.0042 - 0.0110	Medium
4	0.0111 - 0.0293	High
5	0.0294 - 0.0474	High
6	0.0475 - 0.0759	High
7	0.0760 - 0.1820	High
8	0.1821 - 1	High
9	N/A	Default

The following tables provide the gross carrying amount of mortgage and other loans and the contractual amounts of undrawn credit facilities and other off-balance sheet exposures based on the Bank's internal risk rating grades.

<b>As at December 31, 2019</b>	Stage 1	Stage 2	Stage 3	Total
<b>Mortgage loans<sup>(1, 2)</sup></b>				
1	\$ 6,107	\$ 213	\$ -	\$ 6,320
2	11,979	427	-	12,406
3	679	190	-	869
4 or higher	542	248	-	790
Default	-	-	60	60
<b>Total mortgage loans</b>	<b>\$ 19,307</b>	<b>\$ 1,078</b>	<b>\$ 60</b>	<b>\$ 20,445</b>
<b>Allowance for ECLs</b>	<b>\$ 3</b>	<b>\$ 5</b>	<b>\$ 3</b>	<b>\$ 11</b>
<b>Mortgages, net of allowance</b>	<b>\$ 19,304</b>	<b>\$ 1,073</b>	<b>\$ 57</b>	<b>\$ 20,434</b>
<b>Other loans<sup>(1)</sup></b>				
1	\$ -	\$ -	\$ -	\$ -
2	174	-	-	174
3	1,200	37	-	1,237
4 or higher	305	19	-	324
Default	-	-	9	9
<b>Total other loans</b>	<b>\$ 1,679</b>	<b>\$ 56</b>	<b>\$ 9</b>	<b>\$ 1,744</b>
<b>Allowance for ECLs</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1</b>
<b>Other loans, net of allowance</b>	<b>\$ 1,678</b>	<b>\$ 56</b>	<b>\$ 9</b>	<b>\$ 1,743</b>
<b>Total</b>				
1	\$ 6,107	\$ 213	\$ -	\$ 6,320
2	12,153	427	-	12,580
3	1,879	227	-	2,106
4 or higher	847	267	-	1,114
Default	-	-	69	69
<b>Total mortgage and other loans</b>	<b>\$ 20,986</b>	<b>\$ 1,134</b>	<b>\$ 69</b>	<b>\$ 22,189</b>
<b>Allowance for ECLs</b>	<b>\$ 4</b>	<b>\$ 5</b>	<b>\$ 3</b>	<b>\$ 12</b>
<b>Total mortgage and other loans, net of allowance</b>	<b>\$ 20,982</b>	<b>\$ 1,129</b>	<b>\$ 66</b>	<b>\$ 22,177</b>
<b>Undrawn credit facilities and other off-balance sheet exposures</b>				
1	\$ 2,785	\$ 35	\$ -	\$ 2,820
2	6,501	54	-	6,555
3	217	10	-	227
4 or higher	1,026	1	-	1,027
Default	-	-	3	3
<b>Total off-balance sheet exposures</b>	<b>\$ 10,529</b>	<b>\$ 100</b>	<b>\$ 3</b>	<b>\$ 10,632</b>
<b>Allowance for ECLs</b>	<b>\$ 1</b>	<b>\$ 2</b>	<b>\$ 3</b>	<b>\$ 6</b>
<b>Total off-balance sheet exposures, net of allowance</b>	<b>\$ 10,528</b>	<b>\$ 98</b>	<b>\$ -</b>	<b>\$ 10,626</b>

<sup>(1)</sup> Mortgage loans and other loans include CAC.

<sup>(2)</sup> The mortgage portfolio includes HELOCs.



<b>As at December 31, 2018</b>	Stage 1	Stage 2	Stage 3	Total
<b>Mortgage loans<sup>(1, 2)</sup></b>				
1	\$ 5,524	\$ 1,008	\$ -	\$ 6,532
2	8,705	2,920	-	11,625
3	632	174	-	806
4 or higher	563	259	-	822
Default	-	-	57	57
<b>Total mortgage loans</b>	<b>\$ 15,424</b>	<b>\$ 4,361</b>	<b>\$ 57</b>	<b>\$ 19,842</b>
<b>Allowance for ECLs</b>	<b>\$ 2</b>	<b>\$ 8</b>	<b>\$ 4</b>	<b>\$ 14</b>
<b>Mortgages, net of allowance</b>	<b>\$ 15,422</b>	<b>\$ 4,353</b>	<b>\$ 53</b>	<b>\$ 19,828</b>
<b>Other loans<sup>(1)</sup></b>				
1	\$ -	\$ -	\$ -	-
2	162	-	-	162
3	922	435	-	1,357
4 or higher	247	26	-	273
Default	-	-	6	6
<b>Total other loans</b>	<b>\$ 1,331</b>	<b>\$ 461</b>	<b>\$ 6</b>	<b>\$ 1,798</b>
<b>Allowance for ECLs</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1</b>
<b>Other loans, net of allowance</b>	<b>\$ 1,330</b>	<b>\$ 461</b>	<b>\$ 6</b>	<b>\$ 1,797</b>
<b>Total</b>				
1	\$ 5,524	\$ 1,008	\$ -	\$ 6,532
2	8,867	2,920	-	11,787
3	1,554	609	-	2,163
4 or higher	810	285	-	1,095
Default	-	-	63	63
<b>Total mortgage and other loans</b>	<b>\$ 16,755</b>	<b>\$ 4,822</b>	<b>\$ 63</b>	<b>\$ 21,640</b>
<b>Allowance for ECLs</b>	<b>\$ 3</b>	<b>\$ 8</b>	<b>\$ 4</b>	<b>\$ 15</b>
<b>Total mortgage and other loans, net of allowance</b>	<b>\$ 16,752</b>	<b>\$ 4,814</b>	<b>\$ 59</b>	<b>\$ 21,625</b>
<b>Undrawn credit facilities and other off-balance sheet exposures</b>				
1	\$ 2,113	\$ 804	\$ -	\$ 2,917
2	4,265	1,687	-	5,952
3	175	5	-	180
4 or higher	792	2	-	794
Default	-	-	3	3
<b>Total off-balance sheet exposures</b>	<b>\$ 7,345</b>	<b>\$ 2,498</b>	<b>\$ 3</b>	<b>\$ 9,846</b>
<b>Allowance for ECLs</b>	<b>\$ 2</b>	<b>\$ 4</b>	<b>\$ 1</b>	<b>\$ 7</b>
<b>Total off-balance sheet exposures, net of allowance</b>	<b>\$ 7,343</b>	<b>\$ 2,494</b>	<b>\$ 2</b>	<b>\$ 9,839</b>

(1) Mortgage loans and other loans include CAC.

(2) The mortgage portfolio includes HELOCs.

### *Diversification*

The Bank's credit risk governance policies require an acceptable level of diversification. Limits are in place for several portfolio dimensions including industry, geography, single-name concentrations and transaction-specific limits. Although the Bank's credit portfolio is heavily weighted to Canadian residential mortgages and other loans, the portfolio is dispersed geographically within Canada. Credit risk exposures are monitored for concentration risk and such findings are reported to the Board of Directors, the MBERC and MFC's Credit Risk Management Department on a quarterly basis.

The following table shows the concentration of mortgage and other loans by geographic area.

<b>As at December 31,</b>	<b>2019</b>		<b>2018</b>	
	Mortgage loans	Other loans	Mortgage loans	Other loans
Ontario	<b>38%</b>	<b>48%</b>	38%	47%
Quebec	<b>22%</b>	<b>15%</b>	23%	15%
British Columbia	<b>15%</b>	<b>22%</b>	15%	23%
Alberta	<b>14%</b>	<b>6%</b>	13%	6%
Atlantic provinces	<b>5%</b>	<b>4%</b>	5%	4%
Saskatchewan	<b>4%</b>	<b>3%</b>	4%	3%
Manitoba	<b>2%</b>	<b>2%</b>	2%	2%
<b>Total</b>	<b>100%</b>	<b>100%</b>	100%	100%

### *Collateral management*

The purpose of collateral for credit risk mitigation is to minimize losses that would otherwise be incurred. The Bank generally requires borrowers to pledge collateral when credit is advanced. Residential real estate and high-quality liquid investments are examples of acceptable collateral.

The following table summarizes the net carrying amount of residential mortgage and other loans subject to credit exposure without taking into account collateral held or credit enhancements. The table also includes the net exposure to credit risk considering the Bank's estimate of fair value of financial and non-financial assets accepted as collateral.

<b>As at December 31,</b>	<b>2019</b>		<b>2018</b>	
	Net carrying amount	Net exposure	Net carrying amount	Net exposure
Mortgage loans	<b>\$ 20,434</b>	<b>\$ -</b>	\$ 19,828	\$ -
Other loans	<b>1,743</b>	<b>93</b>	1,797	114
<b>Total</b>	<b>\$ 22,177</b>	<b>\$ 93</b>	\$ 21,625	\$ 114

As at December 31, 2019, the net carrying amount of credit-impaired mortgages and other loans amounted to \$65 (2018 – \$59), and the value of identifiable collateral held against those loans amounted to \$88 (2018 – \$79). As at December 31, 2019, the Bank held \$430 (2018 – \$145) in mortgage and other loans for which no loss allowance is recognized because of collateral.

During the years ended December 31, 2019 and 2018, there were no changes to the Bank's collateral policies.

### *Derivatives*

Derivative contracts are entered into for asset-liability management purposes to better match the cash flows resulting from different re-pricing or maturity dates of assets and liabilities. The Bank employs defensive hedging strategies to reduce interest rate risk for a number of funding strategies.

The Bank has established policies and limits for managing credit risk exposures that may arise with counterparties when entering into derivative transactions. The Bank enters into master netting arrangements that permit the offsetting of contracts in a loss position in the case of a counterparty

default. The Bank measures derivative counterparty exposure as net potential credit exposure, which takes into consideration mark-to-market values of all transactions with each counterparty, net of any collateral held, and an allowance to reflect future potential exposure.

The Bank enters into Credit Support Annex agreements (“CSAs”) with its derivative counterparties, whereby collateral must be provided when the exposure exceeds a certain threshold. The collateral pledged from or to counterparties is primarily in the form of government and agency securities. The Bank must pledge investments as collateral when the derivative mark-to-market position is negative. When the derivative mark-to-market position is positive, the counterparty is required to pledge investments as collateral. Pledging starts at a certain threshold for each counterparty in accordance with the terms of the CSA. The net market value position of collateral posted by the Bank as at December 31, 2019, is \$6 (2018 – \$15). The net market value position of the collateral posted by swap counterparties as at December 31, 2019, is nil (2018 – nil).

*Offsetting financial assets and financial liabilities*

The Bank does not offset financial instruments in the Consolidated Statements of Financial Position, as the rights of offset are conditional.

The following table presents the effect of conditional master netting and similar arrangements. Similar arrangements may include global master repurchase agreements, global master securities lending agreements, and any related rights to financial collateral.

	Gross amounts of financial instruments presented in the Consolidated Statements of Financial Position	Related amounts not offset in the Consolidated Statements of Financial Position			Net amount
		Amounts subject to an enforceable master netting arrangement or similar agreements	Financial and cash collateral pledged (received) <sup>(1)</sup>		
<b>As at December 31, 2019</b>					
<b>Financial liabilities</b>					
Derivatives	\$ (5)	\$ -	\$ 6	\$ 1	
<b>Total financial liabilities</b>	<b>\$ (5)</b>	<b>\$ -</b>	<b>\$ 6</b>	<b>\$ 1</b>	
<b>As at December 31, 2018</b>					
<b>Financial liabilities</b>					
Derivatives	\$ (13)	\$ -	\$ 13	\$ -	
<b>Total financial liabilities</b>	<b>\$ (13)</b>	<b>\$ -</b>	<b>\$ 13</b>	<b>\$ -</b>	

<sup>(1)</sup> Financial and cash collateral exclude over-collateralization. As at December 31, 2019, the Bank was over-collateralized on OTC derivative liabilities in the amount of \$1 (2018 – \$2).

### *Credit quality*

The following tables reflect the aging of the Bank's financial assets considered past due. All accounts greater than 90 days past due are deemed impaired. Refer to Note 2(f) for further details on the Bank's accounting policy for assessing impairment.

	Accounts past due			Total
	31-60 days	61-90 days	91 days and greater	
<b>As at December 31, 2019</b>				
Mortgage loans	\$ 39	\$ 15	\$ 60	\$ 114
Other loans	5	1	9	15
<b>Total</b>	<b>\$ 44</b>	<b>\$ 16</b>	<b>\$ 69</b>	<b>\$ 129</b>

	Accounts past due			Total
	31-60 days	61-90 days	91 days and greater	
<b>As at December 31, 2018</b>				
Mortgage loans	\$ 45	\$ 17	\$ 57	\$ 119
Other loans	5	2	6	13
<b>Total</b>	<b>\$ 50</b>	<b>\$ 19</b>	<b>\$ 63</b>	<b>\$ 132</b>

### **(d) Market risk**

Market risk is the risk of loss resulting from market price volatility, interest rate changes and adverse foreign currency rate movements. Market price volatility relates to changes in the prices of publicly traded equities and to impacts of interest rate movements on the lending portfolio.

The Board of Directors annually reviews and approves the interest rate and investment management policies and is informed of material changes to the foreign exchange risk management policy.

The Board of Directors has ultimately delegated the responsibility for the strategic management of market, interest rate and liquidity risks to ALCO. The ALCO risk management strategy addresses the interest rate risk arising between asset returns and supporting liabilities and is designed to keep potential losses stemming from these risks within acceptable limits. Actual investment positions and risk exposures are monitored to ensure policy guidelines and limits are adhered to. Positions are reported to ALCO on a monthly basis and to MFC's Global ALCO on a quarterly basis. The Bank invests in common equities based on limits set within the Investment Policy.

### *Interest rate risk*

The Bank primarily uses vanilla interest rate swaps, where fixed and floating interest payments based on a specified amount of notional principal for a specified time period are exchanged with a swap counterparty. From time to time, the Bank may use swaptions, which combine an interest rate swap and a cancellable option that allows the counterparty to cancel the swap on a predefined sequence of dates.

The Bank limits the types of authorized derivatives and applications. The Bank requires pre-approval from MFC's global ALCO for, and regularly monitors, derivative application strategies and their effectiveness.

Interest rate risk is identified using a variety of techniques and measures that are primarily based on projecting asset and liability cash flows under a range of current and future interest rate and market return scenarios. The Bank performs a monthly sensitivity analysis to specifically assess interest rate risk. The results of the analysis are reviewed by ALCO to determine if they are within prescribed limits for sensitivity of net interest income to changes in the yield curve.

The following table shows the sensitivity of pre-tax net interest income to interest rate risk.

Rate change	Sensitivity of net interest income to interest rate risk	
	2019 <sup>(1)</sup>	2018 <sup>(1)</sup>
100 basis point rate increase	\$ 11	\$ 13
200 basis point rate increase	21	25
100 basis point rate decrease	(11)	(12)
200 basis point rate decrease <sup>(2)</sup>	(18)	(22)

<sup>(1)</sup> The interest sensitivity assumes that the Bank moves all Bank-administered rates for lending and deposits directly with market rates. The Bank has the ability to mitigate margin impact through its administered rates.

<sup>(2)</sup> The floor of zero on government rates and corporate spreads limits the impact of a 200 basis point decrease in rates.

The Bank is exposed to interest rate risk as a result of the difference between the maturity or re-pricing date of interest-sensitive assets and liabilities.

The following tables show the interest sensitivity position in maturities of the Bank's assets and liabilities on the Consolidated Statements of Financial Position.

2019	Remaining term to maturity						Non-interest sensitive	Total
	Floating rate	Less than 3 months	3 months to 1 year	1 to 3 years	3 to 5 years	Over 5 years		
<b>Assets</b>								
Cash and cash equivalents and restricted cash	\$ 4,543	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ 33	\$ 4,586
Securities	-	6	42	168	16	-	133	365
Mortgage and other loans	14,101	180	1,044	3,071	3,617	164	-	22,177
Other assets	-	-	-	-	-	-	182	182
<b>Total assets</b>	<b>\$ 18,644</b>	<b>\$ 196</b>	<b>\$ 1,086</b>	<b>\$ 3,239</b>	<b>\$ 3,633</b>	<b>\$ 164</b>	<b>\$ 348</b>	<b>\$ 27,310</b>
<b>Liabilities</b>								
Deposit liabilities	\$ 14,315	\$ 1,042	\$ 2,042	\$ 2,317	\$ 1,983	\$ 1	\$ 2	\$ 21,702
Other liabilities	3,881	-	-	-	-	-	163	4,044
<b>Total liabilities</b>	<b>\$ 18,196</b>	<b>\$ 1,042</b>	<b>\$ 2,042</b>	<b>\$ 2,317</b>	<b>\$ 1,983</b>	<b>\$ 1</b>	<b>\$ 165</b>	<b>\$ 25,746</b>
<b>Total gap</b>	<b>\$ 448</b>	<b>\$ (846)</b>	<b>\$ (956)</b>	<b>\$ 922</b>	<b>\$ 1,650</b>	<b>\$ 163</b>	<b>\$ 183</b>	<b>\$ 1,564</b>

2018	Remaining term to maturity						Non-interest sensitive	Total
	Floating rate	Less than 3 months	3 months to 1 year	1 to 3 years	3 to 5 years	Over 5 years		
<b>Assets</b>								
Cash and cash equivalents and restricted cash	\$ 2,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37	\$ 3,022
Securities	-	57	65	124	20	-	166	432
Mortgage and other loans	14,268	156	681	2,450	3,719	351	-	21,625
Other assets	-	-	-	-	-	-	107	107
<b>Total assets</b>	<b>\$ 17,253</b>	<b>\$ 213</b>	<b>\$ 746</b>	<b>\$ 2,574</b>	<b>\$ 3,739</b>	<b>\$ 351</b>	<b>\$ 310</b>	<b>\$ 25,186</b>
<b>Liabilities</b>								
Deposit liabilities	\$ 12,444	\$ 1,414	\$ 1,714	\$ 2,144	\$ 2,194	\$ 1	\$ -	\$ 19,911
Other liabilities	3,774	-	-	-	-	-	172	3,946
<b>Total liabilities</b>	<b>\$ 16,218</b>	<b>\$ 1,414</b>	<b>\$ 1,714</b>	<b>\$ 2,144</b>	<b>\$ 2,194</b>	<b>\$ 1</b>	<b>\$ 172</b>	<b>\$ 23,857</b>
<b>Total gap</b>	<b>\$ 1,035</b>	<b>\$ (1,201)</b>	<b>\$ (968)</b>	<b>\$ 430</b>	<b>\$ 1,545</b>	<b>\$ 350</b>	<b>\$ 138</b>	<b>\$ 1,329</b>

#### *Derivative transaction risk*

Derivatives are used on a selective basis to manage interest rate risk. To mitigate the unique risks associated with the use of derivatives, the Bank has specific risk management policies and processes including limits on the notional volume of derivative transactions, authorized types of derivatives and applications, delegated authorization limits for specific personnel, collateral management, as well as the pre-approval of all derivative application strategies and regular monitoring of the effectiveness of derivative strategies.

#### **(e) Liquidity risk**

Liquidity risk is the risk that an entity will not be able to meet its financial obligations in a timely manner without negatively impacting its daily operations and financial soundness.

At least annually, the Board of Directors reviews and approves the liquidity management policy and liquidity contingency plan, which define the main framework for liquidity risk management and ensures the Bank has the infrastructure and control functions in place to meet expected and unexpected liquidity obligations. Risk tolerances and limits are determined by the Board of Directors and define the maximum level of risk the Bank is willing to take regarding liquidity risks. The liquidity contingency plan outlines various liquidity statuses and includes procedures, action plans, communication requirements and roles and responsibilities under each liquidity status.

The Bank's Treasury department actively manages liquidity risk by maintaining a level of liquid assets in excess of minimum internal requirements at all times. The liquidity risk management processes are designed to enable the payment of the Bank's obligations as they come due, under both normal and adverse circumstances. Liquid assets include unencumbered assets that are marketable, can be pledged as security for borrowings, and can be converted to cash in a timeframe that meets liquidity requirements. The Bank's liquid assets as at December 31, 2019 were \$6,416 (23 per cent of total assets) compared to \$4,757 as at December 31, 2018 (19 per cent of total assets).

#### *Funding*

The Bank diversifies funding across source, channel, product and term by offering registered and non-registered retail savings accounts, GICs, as well as secured and unsecured wholesale term funding. The Bank does not have significant reliance on unsecured wholesale funding. The liquidity management policy sets out the limits on funding. Funding diversification is monitored and reported to ALCO and the Board of Directors.

In 2010, MBC created a wholly owned subsidiary, MTC; it has been a source of deposit funding. Deposits outstanding as at December 31, 2019 from MTC are \$1,740 (2018 – \$1,646).

#### *Securitization programs*

Securitization is used as a cost-effective source of funding and liquidity and also diversifies the Bank's funding program. The Bank acts in the capacity of sponsor, originator, servicer and the provider of credit enhancements for its securitization programs. Mortgage loans purchased by the Bank from a third party and securitized in the NHA MBS program continue to be serviced by a third-party mortgage servicer. In addition, the Bank also invests in short-term and long-term investment grade asset-backed securities. Note 15 of these Consolidated Financial Statements provides an overview of the Bank's securitization programs.

## Note 20: Capital Management

The Bank's objectives with respect to capital management are to remain in compliance with all regulatory requirements and to ensure safety and stability of its financial position, thereby protecting depositors and senior creditors to ensure that the Bank has the flexibility to take advantage of attractive business and investment opportunities as they arise, and to optimize the return on equity. In the assessment of capital adequacy, the Bank adopts regulatory capital definitions and measures. To maintain or adjust the capital structure, the Bank may issue new shares or debt, adjust the dividend payment to its shareholder, or return capital to the shareholder. The Bank and the Bank's subsidiary are prohibited from distributing dividends if the distribution would be in contravention of its capital adequacy regulations. OSFI approval is required in order for the Bank or its subsidiary to redeem or repurchase and cancel capital. No changes were made in the objectives, policies and processes from the previous years. During 2019, \$50 million of common stock was issued as part of a capital management strategy with MLI (Notes 10 and 17).

The Board of Directors approves the capital plan annually. The CMC, which comprises executive members of the management team, meets on a regular basis in order to provide oversight of operational capital management. This includes reviews and recommendations of capital management policies and strategies for approval by the Board of Directors.

Basel III Capital levels for banks are regulated pursuant to the CAR guidelines issued by OSFI, which are based on standards issued by the Bank for International Settlements and the Basel Committee on Banking Supervision. Effective the first quarter of 2013, the Bank was required to calculate its risk-based ratios and leverage measure using the CAR guidelines, which incorporate the Basel III framework.

Regulatory capital is allocated to two tiers: Tier 1 and Tier 2. Tier 1 capital is broken into Common Equity Tier 1 ("CET 1") and Additional Tier 1 capital. CET 1 comprises the highest quality capital and consists of qualifying financial statement elements included in common equity, net of applicable regulatory adjustments. For MBC, CET 1 includes common shares, contributed surplus from the issuance of instruments included in CET 1, retained earnings and AOCI. Additional Tier 1 capital is composed of qualifying financial statement elements, net of applicable regulatory adjustments. For MBC, Additional Tier 1 includes non-cumulative perpetual preferred shares.

Tier 2 capital comprises supplementary capital instruments that contribute to the overall strength of a financial institution as a going concern. For MBC, Tier 2 capital is composed of general allowances. The general allowance includes Stage 1 and Stage 2 ECLs under IFRS 9. General allowances eligible for inclusion in Tier 2 capital will be limited to a maximum of 1.25% of credit risk-weighted assets calculated under the Standardized Approach. The Bank needs to meet all the principles and criteria in OSFI's IFRS 9 Guideline "IFRS 9 Financial Instruments and Disclosures" for general allowances to be included in Tier 2 capital, but does not require prior written approval from OSFI. Total Capital is defined as the sum of Tier 1 and Tier 2 capital. Capital instruments issued by MBC are required to meet qualifying criteria before inclusion in the relevant capital category.

Effective January 1, 2013, all non-common Tier 1 and Tier 2 capital instruments are required to include a non-viable contingent capital clause, under which these instruments are converted to common shares at an OSFI-prescribed trigger event or if the Bank has accepted or agreed to accept support from a federal or provincial government without which the Bank would have been determined to be non-viable by OSFI. These requirements are designed to ensure loss absorbency of capital at the point of non-viability.

The Bank's preferred shares meet the Basel III requirements for inclusion in regulatory capital under the OSFI CAR guideline.

OSFI formally establishes risk-based minimum capital targets for all deposit-taking institutions in Canada. These targets are currently a CET 1 Capital Ratio of 7%, a Tier 1 Capital Ratio of 8.5% and a Total Capital Ratio of 10.5%. Regulatory risk-based capital ratios are calculated by dividing CET 1, Tier 1 and Total Capital by risk-weighted assets. In addition, Canadian banks are required to calculate a leverage measure,

as a supplementary measure to the risk-based capital requirements. The Leverage Ratio is calculated by dividing the Bank's Tier 1 capital by the Bank's total exposure. The Bank's total exposure is the sum of the following exposures: (i) on-balance sheet assets; (ii) derivative exposures; (iii) securities financing transaction exposures; and (iv) other off-balance sheet exposures.

The following table present the Bank's capital and capital ratios.

<b>As at December 31,</b>	<b>2019</b>	<b>2018</b>
<b>Risk-weighted assets</b>		
Credit risk	\$ 7,690	\$ 7,043
Operational risk	821	758
<b>Total risk-weighted assets</b>	<b>\$ 8,511</b>	<b>\$ 7,801</b>
<b>Capital ratios</b>		
CET 1 capital	<b>14.5%</b>	13.5%
Tier 1 capital	<b>17.2%</b>	16.4%
Total capital	<b>17.3%</b>	16.6%

Management regularly monitors performance and financial position against the minimum ratios and initiates action where appropriate. During the past year, the Bank has complied in full with all of its externally imposed capital requirements and continues to be capitalized in excess of all minimum regulatory requirements.

<b>As at December 31,</b>	<b>2019</b>	<b>2018</b>
<b>Basel III regulatory capital</b>		
Directly issued qualifying common share capital plus related stock surplus	\$ 267	\$ 217
Contributed surplus	308	226
Retained earnings	759	657
Regulatory adjustments applied to Common Equity Tier 1 under Basel III	(100)	(47)
<b>Total CET 1 capital</b>	<b>\$ 1,234</b>	<b>\$ 1,053</b>
Directly issued capital instruments subject to phase-out from Additional Tier 1	\$ 229	\$ 229
<b>Additional Tier 1 capital</b>	<b>\$ 229</b>	<b>\$ 229</b>
<b>Total Tier 1 capital</b>	<b>\$ 1,463</b>	<b>\$ 1,282</b>
Eligible allowances	\$ 8	\$ 11
<b>Total Tier 2 capital</b>	<b>\$ 8</b>	<b>\$ 11</b>
<b>Total regulatory capital</b>	<b>\$ 1,471</b>	<b>\$ 1,293</b>



The following table presents the Bank's Leverage Ratio:

<b>As at December 31,</b>	<b>2019</b>	<b>2018</b>
<b>On-balance sheet exposures</b>		
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	\$ 27,310	\$ 25,186
4 (Asset amounts deducted in determining Tier 1 capital)	(100)	(47)
<b>5 Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 to 4)</b>	<b>\$ 27,210</b>	<b>\$ 25,139</b>
<b>Derivative exposures</b>		
7 Add-on amounts for potential future exposure associated with all derivative transactions	\$ 2	\$ 2
<b>11 Total derivative exposures (sum of lines 6 to 10)</b>	<b>\$ 2</b>	<b>\$ 2</b>
<b>Other off-balance sheet exposures</b>		
17 Off-balance sheet exposure at gross notional amount	\$ 10,631	\$ 9,846
18 (Adjustments for conversion to credit equivalent amounts)	(9,518)	(8,809)
<b>19 Off-balance sheet items (sum of lines 17 and 18)</b>	<b>\$ 1,113</b>	<b>\$ 1,037</b>
<b>Capital and total exposures</b>		
20 Tier 1 capital	\$ 1,463	\$ 1,282
21 Total Exposures (sum of lines 5, 11, 16 and 19)	\$ 28,325	\$ 26,178
<b>Leverage ratio</b>		
22 Basel III leverage ratio	<b>5.2%</b>	4.9%

## Note 21: Pension Plans and Post-retirement Benefits

MLI sponsors and administers the staff pension plan for the Bank. The employees of the Bank are participants in the MLI staff pension plan. Retirees are entitled to benefits under the MLI post-retirement benefit plan. MLI is responsible for the accrued pension and post-retirement benefits of the employees of the Bank. The details of the MLI staff pension plan are available in MFC's Consolidated Financial Statements on its website.

## Note 22: Comparatives

Certain comparative amounts have been reclassified to conform to the current year's presentation.

## Note 23: Subsequent Event

On January 15, 2020, the Bank entered into an agreement to purchase the Platinum Trust notes payable Series 2011-1 from the investor for consideration totalling the outstanding note balance of \$1,500 (Note 15). This transaction supersedes the anticipated reduction period in which the notes payable were to be paid in instalments based on a pro rata share of principal collections until the original expected maturity date of December 15, 2021. Concurrently, on January 15, 2020, the Bank issued Series 2020-1 notes totalling \$1,500, which have a floating rate of interest secured by Platinum Trust II's assets. The outstanding principal of the Series 2020-1 notes will be paid in instalments during the reduction period beginning February 1, 2025 based on a pro rata share of the principal collections, with expected final maturity date of February 1, 2027.