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**FINANCIAL RESULTS**

# Consolidated Financial Statements

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**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

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## MANAGEMENT'S RESPONSIBILITY FOR FINANCIAL INFORMATION

The management of The Toronto-Dominion Bank and its subsidiaries (the "Bank") is responsible for the integrity, consistency, objectivity, and reliability of the Consolidated Financial Statements of the Bank and related financial information as presented. International Financial Reporting Standards as issued by the International Accounting Standards Board, as well as the requirements of the *Bank Act* (Canada), and related regulations have been applied and management has exercised its judgment and made best estimates where appropriate.

The Bank's accounting system and related internal controls are designed, and supporting procedures maintained, to provide reasonable assurance that financial records are complete and accurate, and that assets are safeguarded against loss from unauthorized use or disposition. These supporting procedures include the careful selection and training of qualified staff, the establishment of organizational structures providing a well-defined division of responsibilities and accountability for performance, and the communication of policies and guidelines of business conduct throughout the Bank.

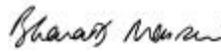
Management has assessed the effectiveness of the Bank's internal control over financial reporting as at October 31, 2022, using the framework found in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission 2013 Framework. Based upon this assessment, management has concluded that as at October 31, 2022, the Bank's internal control over financial reporting is effective.

The Bank's Board of Directors, acting through the Audit Committee, which is composed entirely of independent directors, oversees management's responsibilities for financial reporting. The Audit Committee reviews the Consolidated Financial Statements and recommends them to the Board for approval. Other responsibilities of the Audit Committee include monitoring the Bank's system of internal control over the financial reporting process and making recommendations to the Board and shareholders regarding the appointment of the external auditor.

The Bank's Chief Auditor, who has full and free access to the Audit Committee, conducts an extensive program of audits. This program supports the system of internal control and is carried out by a professional staff of auditors.

The Office of the Superintendent of Financial Institutions Canada, makes such examination and enquiry into the affairs of the Bank as deemed necessary to ensure that the provisions of the *Bank Act* (Canada), having reference to the safety of the depositors, are being duly observed and that the Bank is in sound financial condition.

Ernst & Young LLP, the independent auditors appointed by the shareholders of the Bank, have audited the effectiveness of the Bank's internal control over financial reporting as at October 31, 2022, in addition to auditing the Bank's Consolidated Financial Statements as of the same date. Their reports, which expressed an unqualified opinion, can be found on the following pages of the Consolidated Financial Statements. Ernst & Young LLP have full and free access to, and meet periodically with, the Audit Committee to discuss their audit and matters arising therefrom, such as, comments they may have on the fairness of financial reporting and the adequacy of internal controls.



**Bharat B. Masrani**  
Group President and  
Chief Executive Officer



**Kelvin Tran**  
Senior Executive Vice President and  
Chief Financial Officer

Toronto, Canada  
November 30, 2022

## INDEPENDENT AUDITOR'S REPORT

### To the Shareholders and Directors of The Toronto-Dominion Bank

#### **Opinion**

We have audited the consolidated financial statements of The Toronto-Dominion Bank and its subsidiaries (TD) which comprise the Consolidated Balance Sheet as at October 31, 2022 and 2021, and the Consolidated Statement of Income, Consolidated Statement of Comprehensive Income, Consolidated Statement of Changes in Equity, and Consolidated Statement of Cash Flows for the years then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies (collectively referred to as the "consolidated financial statements").

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of TD as at October 31, 2022 and 2021, and its consolidated financial performance and its consolidated cash flows for the years then ended, in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board.

#### **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 Consolidated Financial Statements* section of our report. We are independent of TD 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.

#### **Key Audit Matters**

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements of the year ended October 31, 2022. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. For each matter below, our description of how our audit addressed the matter is provided in that context.

We have fulfilled the responsibilities described in the *Auditor's Responsibilities for the Audit of the Consolidated Financial Statements* section of our report, including in relation to these matters. Accordingly, our audit included the performance of procedures designed to respond to our assessment of the risks of material misstatement of the consolidated financial statements. The results of our audit procedures, including the procedures performed to address the matters below, provide the basis for our audit opinion on the accompanying consolidated financial statements.

#### **Allowance for credit losses**

##### *Key audit matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the allowance for credit losses in Note 3 of the consolidated financial statements. As disclosed in Note 8 to the consolidated financial statements, TD recognized \$7,366 million in allowances for credit losses on its consolidated balance sheet using an expected credit loss model (ECL). The ECL is an unbiased and probability-weighted estimate of credit losses expected to occur in the future, which is based on the probability of default (PD), loss given default (LGD) and exposure at default (EAD) or the expected cash shortfall relating to the underlying financial asset. The ECL is determined by evaluating a range of possible outcomes incorporating the time value of money and reasonable and supportable information about past events, current conditions, and future economic forecasts. ECL allowances are measured at amounts equal to either (i) 12-month ECL; or (ii) lifetime ECL for those financial instruments that have experienced a significant increase in credit risk (SICR) since initial recognition or when there is objective evidence of impairment.

Auditing the allowance for credit losses was complex and required the application of significant judgment and involvement of specialists because of the sophistication of the models, the forward-looking nature of the key assumptions, and the inherent interrelationship of the critical variables used in measuring the ECL. Key areas of judgment include evaluating: (i) the models and methodologies used for measuring both the 12-month and lifetime expected credit losses; (ii) the assumptions used in the ECL scenarios including forward-looking information (FLI) and assigning probability weighting; (iii) the determination of SICR; and (iv) the assessment of the qualitative component applied to the modelled ECL based on management's expert credit judgment.

##### *How our audit addressed the key audit matter*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over the allowance for credit losses. The controls we tested included, amongst others, the development and validation of models and selection of appropriate inputs including economic forecasting, determination of non-retail borrower risk ratings, the integrity of the data used including the associated controls over relevant information technology (IT) systems, and the governance and oversight over the modelled results and the use of expert credit judgment.

To test the allowance for credit losses, our audit procedures included, amongst others, involving our credit risk specialists to assess whether the methodology and assumptions, including management's SICR triggers, used in significant models that estimate the ECL across various portfolios are consistent with the requirements of IFRS. This included reperforming the model validation procedures for a sample of models to evaluate whether management's conclusions were appropriate. With the assistance of our economic specialists, we evaluated the models, methodology and process used by management to develop the FLI variable forecasts for each scenario and the scenario probability weights. For a sample of FLI variables, we compared management's FLI to independently derived forecasts and publicly available information. On a sample basis, we recalculated the ECL to test the mathematical accuracy of management's models. We tested the completeness and accuracy of data used in measuring the ECL by agreeing to source documents and systems and evaluated a sample of management's non-retail borrower risk ratings against TD's risk rating policy. With the assistance of our credit risk specialists, we also evaluated management's methodology and governance over the application of expert credit judgment by evaluating that the amounts recorded were reflective of underlying credit quality and macroeconomic trends. We also assessed the adequacy of disclosures related to the allowance for credit losses.

#### **Fair value measurement of derivatives**

##### *Key audit matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the fair value measurement of derivatives in Note 3 of the consolidated financial statements. As disclosed in Note 5 of the consolidated financial statements, TD has derivative assets of \$103,873 million and derivative liabilities of \$91,133 million recorded at fair value. Certain of these derivatives are complex and illiquid and require valuation techniques that may include complex models and non-observable inputs, requiring management's estimation and judgment.

Auditing the valuation of certain derivatives required the application of significant auditor judgment and involvement of valuation specialists in assessing the complex models and non-observable inputs used, including any significant valuation adjustments applied. Certain valuation inputs used to determine fair value that may be non-observable include volatilities, correlations, and credit spreads. The valuation of certain derivatives is sensitive to these inputs as they are forward-looking and could be affected by future economic and market conditions.

##### *How our audit addressed the key audit matter*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls, including the associated controls over relevant IT systems, over the valuation of TD's derivative portfolio. The controls we tested included, amongst others, the controls over the suitability and mechanical accuracy of models used in the valuation of derivatives, controls over management's

independent assessment of fair values, including the integrity of data used in the valuation such as the significant inputs noted above, and controls over the review of significant valuation adjustments applied.

To test the valuation of these derivatives, our audit procedures included, amongst others, an evaluation of the methodologies and significant inputs used by TD. With the assistance of our valuation specialists, we performed an independent valuation for a sample of derivatives to assess the modelling assumptions and significant inputs used to estimate the fair value, which involved obtaining significant inputs from independent external sources. For a sample of valuation adjustments, we utilized the assistance of our valuation specialists to evaluate the methodology applied and performed a recalculation of these adjustments. We also assessed the adequacy of the disclosures related to the fair value measurement of derivatives.

### **Valuation of provision for unpaid claims**

#### *Key audit matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the valuation of provisions for unpaid claims in Note 3 of the consolidated financial statements. As disclosed in Note 22 to the consolidated financial statements, TD has recognized \$7,468 million in insurance-related liabilities on its consolidated balance sheet. The insurance-related liabilities include a provision for unpaid claims, which is determined in accordance with accepted actuarial practices.

Auditing the provision for unpaid claims required the application of significant judgement and involved the use of specialists due to the complex nature of the models, methodologies and assumptions applied in the determination of the provision. Claims liabilities are determined in accordance with generally accepted actuarial practices. The main assumption underlying the estimate of the claims liability is that past claims development experience can be used to project future claims development and therefore ultimate claim costs. Actuarial methods are applied to extrapolate the development of paid and incurred losses, frequency and severity of claims based on the observed development of earlier years and expected loss ratios. Additional qualitative judgement is applied to assess the extent to which past trends may or may not apply in the future to arrive at the estimated ultimate claims costs that present the most likely outcome taking into account all the uncertainties involved.

#### *How our audit addressed the key audit matter*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over the valuation of the provision for unpaid claims including the associated controls over relevant IT systems. The controls we tested included, amongst others, the controls related to TD's claims and actuarial processes including over the completeness and accuracy of data flow through the claims administration systems, and the overall review of the provision for unpaid claims by management.

We evaluated the objectivity, independence and expertise of the actuarial valuator appointed by management. To test the valuation for unpaid claims, our audit procedures included, amongst others, involving our actuarial specialists to independently calculate the provision for unpaid claims on a sample basis. This included assessing the accuracy of TD's data by agreeing to source systems on a sample basis and benchmarking the assumptions against industry trends. With the assistance of our actuarial specialists, we assessed TD's actuary's methodologies and significant assumptions, including comparing the rationale for the judgments applied against generally accepted actuarial practices. We also performed data integrity testing of incurred claims, paid claims, and earned premiums used in the estimation of the provision for unpaid claims.

### **Measurement of provision for uncertain tax positions**

#### *Key audit matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to income taxes in Note 3 and Note 25 of the consolidated financial statements. As a financial institution operating in multiple jurisdictions, TD is subject to complex and constantly evolving tax legislation. Uncertainty in a tax position may arise as tax laws are subject to interpretation. TD uses significant judgment in i) determining whether it is probable that TD will have to make a payment to tax authorities upon

their examination of certain uncertain tax positions and ii) measuring the amount of the liability.

Auditing TD's provision for uncertain tax positions involved the application of judgment and is based on interpretation of tax legislation and jurisprudence.

#### *How our audit addressed the key audit matter*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over TD's provision for uncertain tax positions. The controls we tested included, amongst others, the controls over the assessment of the technical merits of tax positions and management's process to measure the provision for uncertain tax positions.

With the assistance of our tax professionals, we assessed the technical merits and the amount recorded for uncertain tax positions. Our audit procedures included, amongst others, using our knowledge of, and experience with, the application of tax laws by the relevant income tax authorities to evaluate TD's interpretations and assessment of tax laws with respect to uncertain tax positions. We assessed the implications of correspondence received by TD from the relevant tax authorities and evaluated income tax opinions or other third-party advice obtained. We also assessed the adequacy of the disclosures related to uncertain tax positions.

### **Other Information**

Management is responsible for the other information. The other information comprises:

- Management's Discussion and Analysis; and
- The information, other than the consolidated financial statements and our auditor's report thereon, in the 2022 Annual Report.

Our opinion on the consolidated financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information, and in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated.

We obtained Management's Discussion and Analysis and the 2022 Annual Report prior to the date of this auditor's report. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact in this auditor's report. We have nothing to report in this regard.

### **Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements**

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with IFRS, 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 TD'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 TD or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing TD'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 TD'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 TD'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 TD 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.

- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within TD to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance 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.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner on the audit resulting in this independent auditor's report is Helen Mitchell.

*Ernst + Young LLP*

Chartered Professional Accountants  
Licensed Public Accountants

Toronto, Canada  
November 30, 2022

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

### To the Shareholders and Directors of The Toronto-Dominion Bank

#### *Opinion on the Consolidated Financial Statements*

We have audited the accompanying Consolidated Balance Sheets of The Toronto-Dominion Bank (TD) as of October 31, 2022 and 2021, the related Consolidated Statements of Income, Comprehensive Income, Changes in Equity, and Cash Flows for the years then ended, and the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the consolidated financial position of TD as at October 31, 2022 and 2021, its financial performance and its consolidated cash flows for the years then ended, in conformity with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), TD's internal control over financial reporting as of October 31, 2022, based on the criteria established in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated November 30, 2022, expressed an unqualified opinion thereon.

#### *Basis for Opinion*

These consolidated financial statements are the responsibility of TD's management. Our responsibility is to express an opinion on TD's consolidated financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be

independent with respect to TD in accordance with U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

#### *Critical Audit Matters*

The critical audit matters communicated below are matters arising from the current period audit of the consolidated financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the consolidated financial statements, and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

## **Allowance for credit losses**

### *Description of the Matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the allowance for credit losses in Note 3 of the consolidated financial statements. As disclosed in Note 8 to the consolidated financial statements, TD recognized \$7,366 million in allowances for credit losses on its consolidated balance sheet using an expected credit loss model (ECL). The ECL is an unbiased and probability-weighted estimate of credit losses expected to occur in the future, which is based on the probability of default (PD), loss given default (LGD) and exposure at default (EAD) or the expected cash shortfall relating to the underlying financial asset. The ECL is determined by evaluating a range of possible outcomes incorporating the time value of money and reasonable and supportable information about past events, current conditions, and future economic forecasts. ECL allowances are measured at amounts equal to either (i) 12-month ECL; or (ii) lifetime ECL for those financial instruments that have experienced a significant increase in credit risk (SICR) since initial recognition or when there is objective evidence of impairment.

Auditing the allowance for credit losses was complex and required the application of significant judgment and involvement of specialists because of the sophistication of the models, the forward-looking nature of the key assumptions, and the inherent interrelationship of the critical variables used in measuring the ECL. Key areas of judgment include evaluating: (i) the models and methodologies used for measuring both the 12-month and lifetime expected credit losses; (ii) the assumptions used in the ECL scenarios including forward-looking information (FLI) and assigning probability weighting; (iii) the determination of SICR; and (iv) the assessment of the qualitative component applied to the modelled ECL based on management's expert credit judgment.

### *How We Addressed the Matter in Our Audit*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over the allowance for credit losses. The controls we tested included, amongst others, the development and validation of models and selection of appropriate inputs including economic forecasting, determination of non-retail borrower risk ratings, the integrity of the data used including the associated controls over relevant information technology (IT) systems, and the governance and oversight over the modelled results and the use of expert credit judgment.

To test the allowance for credit losses, our audit procedures included, amongst others, involving our credit risk specialists to assess whether the methodology and assumptions, including management's SICR triggers, used in significant models that estimate the ECL across various portfolios are consistent with the requirements of IFRS. This included reperforming the model validation procedures for a sample of models to evaluate whether management's conclusions were appropriate. With the assistance of our economic specialists, we evaluated the models, methodology and process used by management to develop the FLI variable forecasts for each scenario and the scenario probability weights. For a sample of FLI variables, we compared management's FLI to independently derived forecasts and publicly available information. On a sample basis, we recalculated the ECL to test the mathematical accuracy of management's models. We tested the completeness and accuracy of data used in measuring the ECL by agreeing to source documents and systems and evaluated a sample of management's non-retail borrower risk ratings against TD's risk rating policy. With the assistance of our credit risk specialists, we also evaluated management's methodology and governance over the application of expert credit judgment by evaluating that the amounts recorded were reflective of underlying credit quality and macroeconomic trends. We also assessed the adequacy of disclosures related to the allowance for credit losses.

## **Fair value measurement of derivatives**

### *Description of the Matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the fair value measurement of derivatives in Note 3 of the consolidated financial statements. As disclosed in Note 5 of the consolidated financial statements, TD has derivative assets of

\$103,873 million and derivative liabilities of \$91,133 million recorded at fair value. Certain of these derivatives are complex and illiquid and require valuation techniques that may include complex models and non-observable inputs, requiring management's estimation and judgment.

Auditing the valuation of certain derivatives required the application of significant auditor judgment and involvement of valuation specialists in assessing the complex models and non-observable inputs used, including any significant valuation adjustments applied. Certain valuation inputs used to determine fair value that may be non-observable include volatilities, correlations, and credit spreads. The valuation of certain derivatives is sensitive to these inputs as they are forward-looking and could be affected by future economic and market conditions.

### *How We Addressed the Matter in Our Audit*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls, including the associated controls over relevant IT systems, over the valuation of TD's derivative portfolio. The controls we tested included, amongst others, the controls over the suitability and mechanical accuracy of models used in the valuation of derivatives, controls over management's independent assessment of fair values, including the integrity of data used in the valuation such as the significant inputs noted above, and controls over the review of significant valuation adjustments applied.

To test the valuation of these derivatives, our audit procedures included, amongst others, an evaluation of the methodologies and significant inputs used by TD. With the assistance of our valuation specialists, we performed an independent valuation for a sample of derivatives to assess the modelling assumptions and significant inputs used to estimate the fair value, which involved obtaining significant inputs from independent external sources. For a sample of valuation adjustments, we utilized the assistance of our valuation specialists to evaluate the methodology applied and performed a recalculation of these adjustments. We also assessed the adequacy of the disclosures related to the fair value measurement of derivatives.

## **Valuation of provision for unpaid claims**

### *Description of the Matter*

TD describes its significant accounting judgments, estimates, and assumptions in relation to the valuation of provisions for unpaid claims in Note 3 of the consolidated financial statements. As disclosed in Note 22 to the consolidated financial statements, TD has recognized \$7,468 million in insurance-related liabilities on its consolidated balance sheet. The insurance-related liabilities include a provision for unpaid claims, which is determined in accordance with accepted actuarial practices.

Auditing the provision for unpaid claims required the application of significant judgement and involved the use of specialists due to the complex nature of the models, methodologies and assumptions applied in the determination of the provision. Claims liabilities are determined in accordance with generally accepted actuarial practices. The main assumption underlying the estimate of the claims liability is that past claims development experience can be used to project future claims development and therefore ultimate claim costs. Actuarial methods are applied to extrapolate the development of paid and incurred losses, frequency and severity of claims based on the observed development of earlier years and expected loss ratios. Additional qualitative judgement is applied to assess the extent to which past trends may or may not apply in the future to arrive at the estimated ultimate claims costs that present the most likely outcome taking into account all the uncertainties involved.

### *How We Addressed the Matter in Our Audit*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over the valuation of the provision for unpaid claims including the associated controls over relevant IT systems. The controls we tested included, amongst others, the controls related to TD's claims and actuarial processes including over the completeness and accuracy of data flow through the claims administration systems, and the overall review of the provision for unpaid claims by management.

We evaluated the objectivity, independence and expertise of the actuarial valuator appointed by management. To test the valuation for unpaid claims, our audit procedures included, amongst others, involving our actuarial specialists to independently calculate the provision for unpaid claims on a sample basis. This included assessing the accuracy of TD's data by agreeing to source systems on a sample basis and benchmarking the assumptions against industry trends. With the assistance of our actuarial specialists, we assessed TD's actuary's methodologies and significant assumptions, including comparing the rationale for the judgments applied against generally accepted actuarial practices. We also performed data integrity testing of incurred claims, paid claims, and earned premiums used in the estimation of the provision for unpaid claims.

#### **Measurement of provision for uncertain tax positions**

##### *Description of the Matter*

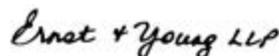
TD describes its significant accounting judgments, estimates, and assumptions in relation to income taxes in Note 3 and Note 25 of the consolidated financial statements. As a financial institution operating in multiple jurisdictions, TD is subject to complex and constantly evolving tax legislation. Uncertainty in a tax position may arise as tax laws are subject to interpretation. TD uses significant judgment in i) determining whether it is probable that TD will have to make a payment to tax authorities upon their examination of certain uncertain tax positions and ii) measuring the amount of the liability.

Auditing TD's provision for uncertain tax positions involved the application of judgment and is based on interpretation of tax legislation and jurisprudence.

#### *How We Addressed the Matter in Our Audit*

We obtained an understanding, evaluated the design, and tested the operating effectiveness of management's controls over TD's provision for uncertain tax positions. The controls we tested included, amongst others, the controls over the assessment of the technical merits of tax positions and management's process to measure the provision for uncertain tax positions.

With the assistance of our tax professionals, we assessed the technical merits and the amount recorded for uncertain tax positions. Our audit procedures included, amongst others, using our knowledge of, and experience with, the application of tax laws by the relevant income tax authorities to evaluate TD's interpretations and assessment of tax laws with respect to uncertain tax positions. We assessed the implications of correspondence received by TD from the relevant tax authorities and evaluated income tax opinions or other third-party advice obtained. We also assessed the adequacy of the disclosures related to uncertain tax positions.



Chartered Professional Accountants  
Licensed Public Accountants

We have served as TD's sole auditor since 2006. Prior to 2006, we or our predecessor firm have served as joint auditor with various other firms since 1955.

Toronto, Canada  
November 30, 2022

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## **REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

### **To the Shareholders and Directors of The Toronto-Dominion Bank**

#### **Opinion on Internal Control over Financial Reporting**

We have audited The Toronto-Dominion Bank's (TD) internal control over financial reporting as of October 31, 2022, based on criteria established in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, TD maintained, in all material respects, effective internal control over financial reporting as of October 31, 2022, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Consolidated Balance Sheet of TD as at October 31, 2022 and 2021, and the Consolidated Statements of Income, Comprehensive Income, Changes in Equity and Cash Flows for the years then ended, and the related notes, and our report dated November 30, 2022, expressed an unqualified opinion thereon.

#### **Basis for Opinion**

TD's management is responsible for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control over Financial Reporting contained in the accompanying Management's Discussion and Analysis. Our responsibility is to express an opinion on TD's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to TD in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

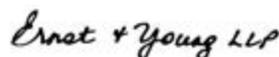
Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists,

testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

#### **Definition and Limitations of Internal Control over Financial Reporting**

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.



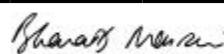
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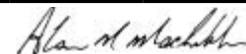
Toronto, Canada  
November 30, 2022

# Consolidated Balance Sheet

(As at and in millions of Canadian dollars)	October 31 2022	October 31 2021
<b>ASSETS</b>		
<b>Cash and due from banks</b>	\$ 8,556	\$ 5,931
<b>Interest-bearing deposits with banks</b>	137,294	159,962
	<b>145,850</b>	165,893
Trading loans, securities, and other (Note 5)	143,726	147,590
Non-trading financial assets at fair value through profit or loss (Note 5)	10,946	9,390
Derivatives (Notes 5, 11)	103,873	54,427
Financial assets designated at fair value through profit or loss (Notes 5, 7)	5,039	4,564
Financial assets at fair value through other comprehensive income (Note 5)	69,675	79,066
	<b>333,259</b>	295,037
<b>Debt securities at amortized cost, net of allowance for credit losses (Notes 5, 7)</b>	<b>342,774</b>	268,939
<b>Securities purchased under reverse repurchase agreements</b>	<b>160,167</b>	167,284
<b>Loans (Notes 5, 8)</b>		
Residential mortgages	293,924	268,340
Consumer instalment and other personal	206,152	189,864
Credit card	36,010	30,738
Business and government	301,389	240,070
	<b>837,475</b>	729,012
Allowance for loan losses (Note 8)	(6,432)	(6,390)
Loans, net of allowance for loan losses	<b>831,043</b>	722,622
<b>Other</b>		
Customers' liability under acceptances	19,733	18,448
Investment in Schwab (Note 12)	8,088	11,112
Goodwill (Note 14)	17,656	16,232
Other intangibles (Note 14)	2,303	2,123
Land, buildings, equipment, and other depreciable assets (Note 15)	9,400	9,181
Deferred tax assets (Note 25)	2,193	2,265
Amounts receivable from brokers, dealers, and clients	19,760	32,357
Other assets (Note 16)	25,302	17,179
	<b>104,435</b>	108,897
<b>Total assets</b>	<b>\$ 1,917,528</b>	\$ 1,728,672
<b>LIABILITIES</b>		
Trading deposits (Notes 5, 17)	\$ 23,805	\$ 22,891
Derivatives (Notes 5, 11)	91,133	57,122
Securitization liabilities at fair value (Notes 5, 9)	12,612	13,505
Financial liabilities designated at fair value through profit or loss (Notes 5, 17)	162,786	113,988
	<b>290,336</b>	207,506
<b>Deposits (Notes 5, 17)</b>		
Personal	660,838	633,498
Banks	38,263	20,917
Business and government	530,869	470,710
	<b>1,229,970</b>	1,125,125
<b>Other</b>		
Acceptances	19,733	18,448
Obligations related to securities sold short (Note 5)	45,505	42,384
Obligations related to securities sold under repurchase agreements	128,024	144,097
Securitization liabilities at amortized cost (Notes 5, 9)	15,072	15,262
Amounts payable to brokers, dealers, and clients	25,195	28,993
Insurance-related liabilities (Note 22)	7,468	7,676
Other liabilities (Note 18)	33,552	28,133
	<b>274,549</b>	284,993
<b>Subordinated notes and debentures (Notes 5, 19)</b>	<b>11,290</b>	11,230
<b>Total liabilities</b>	<b>1,806,145</b>	1,628,854
<b>EQUITY</b>		
<b>Shareholders' Equity</b>		
Common shares (Note 21)	24,363	23,066
Preferred shares and other equity instruments (Note 21)	11,253	5,700
Treasury – common shares (Note 21)	(91)	(152)
Treasury – preferred shares and other equity instruments (Note 21)	(7)	(10)
Contributed surplus	179	173
Retained earnings	73,698	63,944
Accumulated other comprehensive income (loss)	1,988	7,097
<b>Total equity</b>	<b>111,383</b>	99,818
<b>Total liabilities and equity</b>	<b>\$ 1,917,528</b>	\$ 1,728,672

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

  
**Bharat B. Masrani**  
 Group President and  
 Chief Executive Officer

  
**Alan N. MacGibbon**  
 Chair, Audit Committee

# Consolidated Statement of Income

(millions of Canadian dollars, except as noted)

For the years ended October 31

	2022	2021
<b>Interest income<sup>1</sup> (Note 30)</b>		
Loans	\$ 29,666	\$ 23,959
Securities		
Interest	7,928	3,721
Dividends	1,822	1,594
Deposits with banks	1,616	307
	<b>41,032</b>	<b>29,581</b>
<b>Interest expense (Note 30)</b>		
Deposits	9,748	3,742
Securitization liabilities	573	343
Subordinated notes and debentures	397	374
Other	2,961	991
	<b>13,679</b>	<b>5,450</b>
<b>Net interest income</b>	<b>27,353</b>	<b>24,131</b>
<b>Non-interest income</b>		
Investment and securities services	5,869	6,179
Credit fees	1,615	1,453
Trading income (loss)	(257)	313
Service charges	2,871	2,655
Card services	2,890	2,435
Insurance revenue (Note 22)	5,380	4,877
Other income (loss) (Notes 12, 13, 27)	3,311	650
	<b>21,679</b>	<b>18,562</b>
<b>Total revenue</b>	<b>49,032</b>	<b>42,693</b>
<b>Provision for (recovery of) credit losses (Note 8)</b>	<b>1,067</b>	<b>(224)</b>
<b>Insurance claims and related expenses (Note 22)</b>	<b>2,900</b>	<b>2,707</b>
<b>Non-interest expenses</b>		
Salaries and employee benefits	13,394	12,378
Occupancy, including depreciation	1,660	1,882
Technology and equipment, including depreciation	1,902	1,694
Amortization of other intangibles	599	706
Communication and marketing	1,355	1,203
Brokerage-related and sub-advisory fees	408	427
Professional, advisory and outside services	2,190	1,620
Other	3,133	3,166
	<b>24,641</b>	<b>23,076</b>
<b>Income before income taxes and share of net income from investment in Schwab</b>	<b>20,424</b>	<b>17,134</b>
<b>Provision for (recovery of) income taxes (Note 25)</b>	<b>3,986</b>	<b>3,621</b>
<b>Share of net income from investment in Schwab (Note 12)</b>	<b>991</b>	<b>785</b>
<b>Net income</b>	<b>17,429</b>	<b>14,298</b>
<b>Preferred dividends and distributions on other equity instruments</b>	<b>259</b>	<b>249</b>
<b>Net income available to common shareholders</b>	<b>\$ 17,170</b>	<b>\$ 14,049</b>
<b>Earnings per share (Canadian dollars) (Note 26)</b>		
Basic	\$ 9.48	\$ 7.73
Diluted	9.47	7.72
<b>Dividends per common share (Canadian dollars)</b>	<b>3.56</b>	<b>3.16</b>

<sup>1</sup> Includes \$35,277 million for the year ended October 31, 2022 (October 31, 2021 – \$26,706 million), which has been calculated based on the effective interest rate method (EIRM).

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

# Consolidated Statement of Comprehensive Income

(millions of Canadian dollars)

For the years ended October 31

	2022	2021
<b>Net income</b>	<b>\$ 17,429</b>	<b>\$ 14,298</b>
<b>Other comprehensive income (loss)</b>		
<b>Items that will be subsequently reclassified to net income</b>		
<b>Net change in unrealized gain/(loss) on financial assets at fair value through other comprehensive income</b>		
Change in unrealized gain/(loss)	(1,343)	27
Reclassification to earnings of net loss/(gain)	2	(75)
Changes in allowance for credit losses recognized in earnings	(5)	1
Income taxes relating to:		
Change in unrealized gain/(loss)	360	(2)
Reclassification to earnings of net loss/(gain)	-	16
	<b>(986)</b>	<b>(33)</b>
<b>Net change in unrealized foreign currency translation gain/(loss) on investments in foreign operations, net of hedging activities</b>		
Unrealized gain/(loss)	9,230	(6,082)
Reclassification to earnings of net loss/(gain)	50	-
Net gain/(loss) on hedges	(3,271)	2,649
Reclassification to earnings of net loss/(gain) on hedges	(68)	-
Income taxes relating to:		
Net gain/(loss) on hedges	859	(694)
Reclassification to earnings of net loss/(gain) on hedges	18	-
	<b>6,818</b>	<b>(4,127)</b>
<b>Net change in gain/(loss) on derivatives designated as cash flow hedges</b>		
Change in gain/(loss)	(6,179)	(3,172)
Reclassification to earnings of loss/(gain)	(4,100)	607
Income taxes relating to:		
Change in gain/(loss)	1,660	761
Reclassification to earnings of loss/(gain)	972	(92)
	<b>(7,647)</b>	<b>(1,896)</b>
<b>Share of other comprehensive income (loss) from investment in Schwab</b>	<b>(3,200)</b>	<b>(768)</b>
<b>Items that will not be subsequently reclassified to net income</b>		
<b>Remeasurement gain/(loss) on employee benefit plans</b>		
Gain/(loss)	1,105	2,422
Income taxes	(290)	(635)
	<b>815</b>	<b>1,787</b>
<b>Change in net unrealized gain/(loss) on equity securities designated at fair value through other comprehensive income</b>		
Change in net unrealized gain/(loss)	(214)	587
Income taxes	56	(154)
	<b>(158)</b>	<b>433</b>
<b>Gain/(loss) from changes in fair value due to own credit risk on financial liabilities designated at fair value through profit or loss</b>		
Gain/(loss)	87	69
Income taxes	(23)	(18)
	<b>64</b>	<b>51</b>
<b>Total other comprehensive income (loss)</b>	<b>(4,294)</b>	<b>(4,553)</b>
<b>Total comprehensive income (loss)</b>	<b>\$ 13,135</b>	<b>\$ 9,745</b>
Attributable to:		
Common shareholders	<b>\$ 12,876</b>	<b>\$ 9,496</b>
Preferred shareholders and other equity instrument holders	<b>259</b>	<b>249</b>

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

# Consolidated Statement of Changes in Equity

(millions of Canadian dollars)

For the years ended October 31

	2022	2021
<b>Common shares (Note 21)</b>		
Balance at beginning of year	\$ 23,066	\$ 22,487
Proceeds from shares issued on exercise of stock options	120	165
Shares issued as a result of dividend reinvestment plan	1,442	414
Purchase of shares for cancellation and other	(265)	–
Balance at end of year	24,363	23,066
<b>Preferred shares and other equity instruments (Note 21)</b>		
Balance at beginning of year	5,700	5,650
Issue of shares and other equity instruments	5,553	1,750
Redemption of shares and other equity instruments	–	(1,700)
Balance at end of year	11,253	5,700
<b>Treasury – common shares (Note 21)</b>		
Balance at beginning of year	(152)	(37)
Purchase of shares	(10,852)	(10,859)
Sale of shares	10,913	10,744
Balance at end of year	(91)	(152)
<b>Treasury – preferred shares and other equity instruments (Note 21)</b>		
Balance at beginning of year	(10)	(4)
Purchase of shares and other equity instruments	(255)	(205)
Sale of shares and other equity instruments	258	199
Balance at end of year	(7)	(10)
<b>Contributed surplus</b>		
Balance at beginning of year	173	121
Net premium (discount) on sale of treasury instruments	(3)	–
Issuance of stock options, net of options exercised	18	6
Other	(9)	46
Balance at end of year	179	173
<b>Retained earnings</b>		
Balance at beginning of year	63,944	53,845
Net income attributable to equity instrument holders	17,429	14,298
Common dividends	(6,442)	(5,741)
Preferred dividends and distributions on other equity instruments	(259)	(249)
Share and other equity instrument issue expenses	(24)	(5)
Net premium on repurchase of common shares and redemption of preferred shares and other equity instruments (Note 21)	(1,930)	(1)
Remeasurement gain/(loss) on employee benefit plans	815	1,787
Realized gain/(loss) on equity securities designated at fair value through other comprehensive income	165	10
Balance at end of year	73,698	63,944
<b>Accumulated other comprehensive income (loss)</b>		
<i>Net unrealized gain/(loss) on financial assets at fair value through other comprehensive income:</i>		
Balance at beginning of year	510	543
Other comprehensive income (loss)	(981)	(34)
Allowance for credit losses	(5)	1
Balance at end of year	(476)	510
<i>Net unrealized gain/(loss) on equity securities designated at fair value through other comprehensive income:</i>		
Balance at beginning of year	181	(252)
Other comprehensive income (loss)	7	443
Reclassification of loss/(gain) to retained earnings	(165)	(10)
Balance at end of year	23	181
<i>Gain/(loss) from changes in fair value due to own credit risk on financial liabilities designated at fair value through profit or loss:</i>		
Balance at beginning of year	14	(37)
Other comprehensive income (loss)	64	51
Balance at end of year	78	14
<i>Net unrealized foreign currency translation gain/(loss) on investments in foreign operations, net of hedging activities:</i>		
Balance at beginning of year	5,230	9,357
Other comprehensive income (loss)	6,818	(4,127)
Balance at end of year	12,048	5,230
<i>Net gain/(loss) on derivatives designated as cash flow hedges:</i>		
Balance at beginning of year	1,930	3,826
Other comprehensive income (loss)	(7,647)	(1,896)
Balance at end of year	(5,717)	1,930
<i>Share of accumulated other comprehensive income (loss) from investment in Schwab</i>	(3,968)	(768)
<b>Total accumulated other comprehensive income</b>	1,988	7,097
<b>Total equity</b>	<b>\$ 111,383</b>	<b>\$ 99,818</b>

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

# Consolidated Statement of Cash Flows

(millions of Canadian dollars)

For the years ended October 31

	2022	2021
<b>Cash flows from (used in) operating activities</b>		
Net income	\$ 17,429	\$ 14,298
Adjustments to determine net cash flows from (used in) operating activities		
Provision for (recovery of) credit losses (Note 8)	1,067	(224)
Depreciation (Note 15)	1,167	1,360
Amortization of other intangibles	599	706
Net securities loss/(gain) (Note 7)	(60)	(14)
Share of net income from investment in Schwab (Note 12)	(991)	(785)
Gain on sale of Schwab shares (Note 12)	(997)	–
Deferred taxes (Note 25)	502	258
Changes in operating assets and liabilities		
Interest receivable and payable (Notes 16, 18)	(412)	(288)
Securities sold under repurchase agreements	(16,073)	(44,779)
Securities purchased under reverse repurchase agreements	7,117	1,878
Securities sold short	3,121	7,030
Trading loans, securities, and other	3,864	1,177
Loans net of securitization and sales	(109,463)	(3,660)
Deposits	105,759	(6,494)
Derivatives	(15,435)	3,734
Non-trading financial assets at fair value through profit or loss	(1,556)	(842)
Financial assets and liabilities designated at fair value through profit or loss	48,323	54,498
Securitization liabilities	(1,083)	(719)
Current taxes	(4,100)	239
Brokers, dealers, and clients amounts receivable and payable	8,799	(4,592)
Other, including unrealized foreign currency translation loss/(gain)	(8,628)	27,348
Net cash from (used in) operating activities	38,949	50,129
<b>Cash flows from (used in) financing activities</b>		
Redemption or repurchase of subordinated notes and debentures	6	(7)
Common shares issued, net	108	145
Repurchase of common shares (Note 21)	(2,195)	–
Preferred shares and other equity instruments issued, net	5,529	1,745
Redemption of preferred shares and other equity instruments	(1,000)	(700)
Sale of treasury shares and other equity instruments	11,168	10,943
Purchase of treasury shares and other equity instruments (Note 21)	(11,107)	(11,064)
Dividends paid on shares and distributions paid on other equity instruments	(6,665)	(5,555)
Repayment of lease liabilities	(663)	(543)
Net cash from (used in) financing activities	(4,819)	(5,036)
<b>Cash flows from (used in) investing activities</b>		
Interest-bearing deposits with banks	30,455	(729)
Activities in financial assets at fair value through other comprehensive income		
Purchases	(31,135)	(21,056)
Proceeds from maturities	33,158	33,541
Proceeds from sales	6,723	5,363
Activities in debt securities at amortized cost		
Purchases	(149,560)	(153,896)
Proceeds from maturities	68,719	92,131
Proceeds from sales	8,720	2,365
Net purchases of land, buildings, equipment, other depreciable assets, and other intangibles	(1,454)	(1,129)
Net cash acquired from (paid for) divestitures and acquisitions (Note 12)	2,479	(1,858)
Net cash from (used in) investing activities	(31,895)	(45,268)
Effect of exchange rate changes on cash and due from banks	390	(339)
<b>Net increase (decrease) in cash and due from banks</b>	<b>2,625</b>	<b>(514)</b>
Cash and due from banks at beginning of year	5,931	6,445
<b>Cash and due from banks at end of year</b>	<b>\$ 8,556</b>	<b>\$ 5,931</b>
<b>Supplementary disclosure of cash flows from operating activities</b>		
Amount of income taxes paid (refunded) during the year	\$ 4,404	\$ 4,071
Amount of interest paid during the year	12,523	5,878
Amount of interest received during the year	37,642	28,127
Amount of dividends received during the year	1,792	1,844

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

# Notes to Consolidated Financial Statements

## NOTE 1 NATURE OF OPERATIONS

### CORPORATE INFORMATION

The Toronto-Dominion Bank is a bank chartered under the *Bank Act (Canada)*. The shareholders of a bank are not, as shareholders, liable for any liability, act, or default of the bank except as otherwise provided under the *Bank Act (Canada)*. The Toronto-Dominion Bank and its subsidiaries are collectively known as TD Bank Group (“TD” or the “Bank”). The Bank was formed through the amalgamation on February 1, 1955, of The Bank of Toronto (chartered in 1855) and The Dominion Bank (chartered in 1869). The Bank is incorporated and domiciled in Canada with its registered and principal business offices located at 66 Wellington Street West, Toronto, Ontario. TD serves customers in four business segments operating in a number of locations in key financial centres around the globe: Canadian Personal and Commercial Banking, U.S. Retail, Wealth Management and Insurance, and Wholesale Banking.

### BASIS OF PREPARATION

The accompanying Consolidated Financial Statements and accounting principles followed by the Bank 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

Canada (OSFI). The Consolidated Financial Statements are presented in Canadian dollars, unless otherwise indicated.

These Consolidated Financial Statements were prepared using the accounting policies as described in Note 2. Certain comparative amounts have been revised to conform with the presentation adopted in the current period.

The preparation of the Consolidated Financial Statements requires that management make judgments, estimates, and assumptions regarding the reported amount of assets, liabilities, revenue and expenses, and disclosure of contingent assets and liabilities, as further described in Note 3. Accordingly, actual results may differ from estimated amounts as future confirming events occur.

The accompanying Consolidated Financial Statements of the Bank were approved and authorized for issue by the Bank’s Board of Directors, in accordance with a recommendation of the Audit Committee, on November 30, 2022.

The risk management policies and procedures of the Bank are provided in the Management’s Discussion and Analysis (MD&A). The shaded sections of the “Managing Risk” section of the 2022 MD&A, relating to market, liquidity, and insurance risks, are an integral part of these Consolidated Financial Statements, as permitted by IFRS.

## NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### BASIS OF CONSOLIDATION

The Consolidated Financial Statements include the assets, liabilities, results of operations, and cash flows of the Bank and its subsidiaries including certain structured entities which it controls.

The Bank’s Consolidated Financial Statements have been prepared using uniform accounting policies for like transactions and events in similar circumstances. All intercompany transactions, balances, and unrealized gains and losses on transactions are eliminated on consolidation.

#### Subsidiaries

Subsidiaries are corporations or other legal entities controlled by the Bank, generally through directly holding more than half of the voting power of the entity. Control of subsidiaries is determined based on the power exercisable through ownership of voting rights and is generally aligned with the risks and/or returns (collectively referred to as “variable returns”) absorbed from subsidiaries through those voting rights. As a result, the Bank controls and consolidates subsidiaries when it holds the majority of the voting rights of the subsidiary, unless there is evidence that another investor has control over the subsidiary. The existence and effect of potential voting rights that are currently exercisable or convertible are considered in assessing whether the Bank controls an entity. Subsidiaries are consolidated from the date the Bank obtains control and continue to be consolidated until the date when control ceases to exist.

The Bank may consolidate certain subsidiaries where it owns 50% or less of the voting rights. Most of those subsidiaries are structured entities as described in the following section.

#### Structured Entities

Structured entities are entities created to accomplish a narrow and well-defined objective. Structured entities may take the form of a corporation, trust, partnership, or unincorporated entity. They are often created with legal arrangements that impose limits on the decision-making powers of their governing board, trustee, or management. Structured entities are consolidated when the substance of the relationship between the Bank and the structured entity indicates that the Bank controls the entity. When assessing whether the Bank has to consolidate a structured entity, the Bank evaluates three primary criteria in order to conclude whether, in substance:

- The Bank has the power to direct the activities of the structured entity that have the most significant impact on the entity’s variable returns;
- The Bank is exposed to significant variable returns arising from the entity; and
- The Bank has the ability to use its power to affect the variable returns to which it is exposed.

Consolidation conclusions are reassessed at the end of each financial reporting period. The Bank’s policy is to consider the impact on consolidation of all significant changes in circumstances, focusing on the following:

- Substantive changes in ownership, such as the purchase or disposal of more than an insignificant interest in an entity;
- Changes in contractual or governance arrangements of an entity;
- Additional activities undertaken, such as providing a liquidity facility beyond the original terms or entering into a transaction not originally contemplated;
- Changes in the financing structure of an entity; and
- Changes in the rights to exercise power over an entity.

#### Investments in Associates and Joint Ventures

Entities over which the Bank has significant influence are associates and entities over which the Bank has joint control are joint ventures. Significant influence is the power to participate in the financial and operating policy decisions of an investee, but is not control or joint control over these entities. Significant influence is presumed to exist where the Bank holds between 20% and 50% of the voting rights of an entity. Significant influence may also exist where the Bank holds less than 20% of the voting rights and has influence over financial and operating policy-making processes, through board representation and significant commercial arrangements. Associates and joint ventures are accounted for using the equity method of accounting. Investments in associates and joint ventures are carried on the Consolidated Balance Sheet initially at cost and increased or decreased to recognize the Bank’s share of the profit or loss of the associate or joint venture, capital transactions, including the receipt of any dividends, and write-downs to reflect any impairment in the value of such entities. These increases or decreases, together with any gains and losses realized on disposition, are reported on the Consolidated Statement

of Income. The carrying amount of the investments also includes the Bank's share of the investee's other comprehensive income or loss, which is reported in the relevant section of the Consolidated Statement of Comprehensive Income.

At each balance sheet date, the Bank assesses whether there is any objective evidence that the investment in an associate or joint venture is impaired. The Bank calculates the amount of impairment as the difference between the higher of fair value or value-in-use and its carrying value.

#### **CASH AND DUE FROM BANKS**

Cash and due from banks consist of cash and amounts due from banks which are issued by investment grade financial institutions. These amounts are due on demand or have an original maturity of three months or less.

#### **REVENUE RECOGNITION**

Revenue is recognized at an amount that reflects the consideration the Bank expects to be entitled to in exchange for transferring services to a customer, excluding amounts collected on behalf of third parties. The Bank recognizes revenue when it transfers control of a good or a service to a customer at a point in time or over time. The determination of when performance obligations are satisfied requires the use of judgment. Refer to Note 3 for further details.

The Bank identifies contracts with customers subject to IFRS 15, *Revenue from Contracts with Customers*, which create enforceable rights and obligations. The Bank determines the performance obligations based on distinct services promised to the customers in the contracts. The Bank's contracts generally have a term of one year or less, consist of a single performance obligation, and the performance obligations generally reflect services.

For each contract, the Bank determines the transaction price, which includes estimating variable consideration and assessing whether the price is constrained. Variable consideration is included in the transaction price to the extent that it is highly probable that a significant reversal of the amount will not occur when the uncertainty associated with the amount of variable consideration is subsequently resolved. As such, the estimate of the variable consideration is constrained until the end of the invoicing period. The uncertainty is generally resolved at the end of the reporting period and as such, no significant judgment is required when recognizing variable consideration in revenues.

The Bank's receipt of payment from customers generally occurs subsequent to the satisfaction of performance obligations or a short time thereafter. As such, the Bank has not recognized any material contract assets (unbilled receivables) or contract liabilities (deferred revenues) and there is no significant financing component associated with the consideration due to the Bank.

When another party is involved in the transfer of services to a customer, an assessment is made to evaluate whether the Bank is the principal such that revenues are reported on a gross basis or the agent such that revenues are reported on a net basis. The Bank is the principal when it controls the services in the contract promised to the customer before they are transferred. Control is demonstrated by the Bank being primarily responsible for fulfilling the transfer of the services to the customer, having discretion in establishing pricing of the services, or both.

#### **Investment and securities services**

Investment and securities services income includes asset management fees, administration and commission fees, and investment banking fees. The Bank recognizes asset management and administration fees based on time elapsed, which depicts the rendering of investment management and related services over time. The fees are primarily calculated based on average daily or point in time assets under management (AUM) or assets under administration (AUA) depending on the investment mandate.

Commission fees include sales, trailer and brokerage commissions. Sales and brokerage commissions are generally recognized at a point in time when the transaction is executed. Trailer commissions are recognized over time and are generally calculated based on the average daily net asset value of the fund during the period.

Investment banking fees include advisory fees and underwriting fees and are generally recognized at a point in time upon successful completion of the engagement.

#### **Credit fees**

Credit fees include liquidity fees, restructuring fees, letter of credit fees, and loan syndication fees. Liquidity, restructuring, and letter of credit fees are recognized in income over the period in which the service is provided. Loan syndication fees are generally recognized at a point in time upon completion of the financing placement.

#### **Service charges**

Service charges income is earned on personal and commercial deposit accounts and consists of account fees and transaction-based service charges. Account fees relate to account maintenance activities and are recognized in income over the period in which the service is provided. Transaction-based service charges are recognized as earned at a point in time when the transaction is complete.

#### **Card services**

Card services income includes interchange income as well as card fees such as annual and transactional fees. Interchange income is recognized at a point in time when the transaction is authorized and funded. Card fees are recognized as earned at the transaction date with the exception of annual fees, which are recognized over a twelve-month period.

#### **FINANCIAL INSTRUMENTS**

##### **Interest Rate Benchmark Reform Phase 1**

The Bank adopted *Interest Rate Benchmark Reform, Amendments to IFRS 9, IAS 39 and IFRS 7* (Interest Rate Benchmark Reform Phase 1), including the applicable amendments to IFRS 7 relating to hedge accounting, in the fourth quarter of 2019. Under these amendments, it is assumed that the hedged interest rate benchmark is not altered and thus hedge accounting continues through to the date of replacement of the existing interest rate benchmark with its alternative reference rate (ARR). The Bank is not required to discontinue hedge accounting if the actual results of the hedge do not meet the effectiveness requirements as a result of interbank offered rate (IBOR) reform. Refer to Note 11 for disclosures related to the Bank's hedge accounting relationships impacted by IBOR reform.

Refer to Note 3 for details of *Interest Rate Benchmark Reform – Phase 2, Amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16* (Interest Rate Benchmark Reform Phase 2), issued on August 27, 2020 and early adopted by the Bank on November 1, 2020.

##### **Classification and Measurement of Financial Assets**

The Bank classifies its financial assets into the following categories:

- Amortized cost;
- Fair value through other comprehensive income (FVOCI);
- Held-for-trading;
- Non-trading fair value through profit or loss (FVTPL); and
- Designated as measured at FVTPL.

The Bank recognizes financial assets on a settlement date basis, except for derivatives and securities, which are recognized on a trade date basis.

##### **Debt Instruments**

The classification and measurement for debt instruments is based on the Bank's business models for managing its financial assets and whether the contractual cash flows represent solely payments of principal and interest (SPPI). Refer to Note 3 for judgment with respect to the determination of the Bank's business models and whether contractual cash flows represent SPPI.

The Bank has determined its business models as follows:

- Held-to-collect: the objective is to collect contractual cash flows;
- Held-to-collect-and-sell: the objective is both to collect contractual cash flows and sell the financial assets; and
- Held-for-sale and other business models: the objective is neither of the above.

The Bank performs the SPPI test for financial assets held within the held-to-collect and held-to-collect-and-sell business models. If these financial assets have contractual cash flows which are inconsistent with a basic lending arrangement that do not pass the SPPI test, they are classified as non-trading financial assets measured at FVTPL. In a basic lending arrangement, interest includes only consideration for time value of money, credit risk, other basic lending risks, and a reasonable profit margin.

#### *Debt Securities and Loans Measured at Amortized Cost*

Debt securities and loans held within a held-to-collect business model where their contractual cash flows pass the SPPI test are measured at amortized cost. The carrying amount of these financial assets is adjusted by an allowance for credit losses recognized and measured as described in the *Impairment – Expected Credit Loss Model* section of this Note, as well as any write-offs and unearned income which includes prepaid interest, loan origination fees and costs, commitment fees, loan syndication fees, and unamortized discounts or premiums. Interest income is recognized using EIRM. The effective interest rate (EIR) is the rate that discounts expected future cash flows for the expected life of the financial instrument to its carrying value. The calculation takes into account the contractual interest rate, along with any fees or incremental costs that are directly attributable to the instrument and all other premiums or discounts. Loan origination fees and costs are considered to be adjustments to the loan yield and are recognized in interest income over the term of the loan. Commitment fees are recognized in credit fees over the commitment period when it is unlikely that the commitment will be called upon; otherwise, they are recognized in interest income over the term of the resulting loan. Loan syndication fees are recognized in credit fees upon completion of the financing placement unless the yield on any loan retained by the Bank is less than that of other comparable lenders involved in the financing syndicate. In such cases, an appropriate portion of the fee is recognized as a yield adjustment in interest income over the term of the loan.

#### *Debt Securities and Loans Measured at Fair Value through Other Comprehensive Income*

Debt securities and loans held within a held-to-collect-and-sell business model where their contractual cash flows pass the SPPI test are measured at FVOCI. Fair value changes are recognized in other comprehensive income, except for impairment gains or losses, interest income and foreign exchange gains and losses on the instrument's amortized cost, which are recognized in the Consolidated Statement of Income. Interest income is recognized using EIRM. The expected credit loss (ECL) allowance is recognized and measured as described in the *Impairment – Expected Credit Loss Model* section of this Note. When the financial asset is derecognized, the cumulative gain or loss previously recognized in other comprehensive income is reclassified from equity to income and recognized in other income (loss).

#### *Financial Assets Held-for-Trading*

The held-for-sale business model includes financial assets held within a trading portfolio, which have been originated, acquired, or incurred principally for the purpose of selling in the near term, or if they form part of a portfolio of identified financial instruments that are managed together and for which there is evidence of short-term profit-taking. Financial assets held within this business model consist of trading securities, trading loans, as well as certain securities purchased under reverse repurchase agreements.

Trading portfolio assets are accounted for at fair value with changes in fair value recognized in trading income (loss). Transaction costs are expensed as incurred. Dividends are recognized on the ex-dividend date and interest is recognized on an accrual basis. Both dividends and interest are included in interest income.

#### *Non-Trading Financial Assets Measured at Fair Value through Profit or Loss*

Non-trading financial assets measured at FVTPL include financial assets held within the held-for-sale and other business models, for example debt securities and loans managed on a fair value basis. Financial assets held within the held-to-collect or held-to-collect-and-sell business models that do not pass the SPPI test are also classified as non-trading financial assets measured at FVTPL. Changes in fair value as well as any gains or losses realized on disposal are recognized in other income (loss). Interest income from debt instruments is included in interest income on an accrual basis.

#### *Financial Assets Designated at Fair Value through Profit or Loss*

Debt instruments in a held-to-collect or held-to-collect-and-sell business model can be designated at initial recognition as measured at FVTPL, provided the designation can eliminate or significantly reduce an accounting mismatch that would otherwise arise from measuring these financial assets on a different basis. The FVTPL designation is available

only for those financial instruments for which a reliable estimate of fair value can be obtained. Once financial assets are designated at FVTPL, the designation is irrevocable. Changes in fair value as well as any gains or losses realized on disposal are recognized in other income (loss). Interest income from these financial assets is included in interest income on an accrual basis.

#### *Customers' Liability under Acceptances*

Acceptances represent a form of negotiable short-term debt issued by customers, which the Bank guarantees for a fee. Revenue is recognized on an accrual basis. The potential obligation of the Bank is reported as a liability under Acceptances on the Consolidated Balance Sheet. The Bank's recourse against the customer in the event of a call on any of these commitments is reported as an asset of the same amount.

#### **Equity Instruments**

Equity investments are required to be measured at FVTPL, except where the Bank has elected at initial recognition to irrevocably designate an equity investment, held for purposes other than trading, at FVOCI. If such an election is made, the fair value changes, including any associated foreign exchange gains or losses, are recognized in other comprehensive income and are not subsequently reclassified to net income, including upon disposal. Realized gains and losses are transferred directly to retained earnings upon disposal. Consequently, there is no review required for impairment. Dividends will normally be recognized in interest income unless the dividends represent a recovery of part of the cost of the investment. Gains and losses on trading and non-trading equity investments measured at FVTPL are included in trading income (loss) and other income (loss), respectively.

#### **Classification and Measurement for Financial Liabilities**

The Bank classifies its financial liabilities into the following categories:

- Held-for-trading;
- Designated at FVTPL; and
- Other liabilities.

#### **Financial Liabilities Held-for-Trading**

Financial liabilities are held within a trading portfolio if they have been incurred principally for the purpose of repurchasing in the near term, or form part of a portfolio of identified financial instruments that are managed together and for which there is evidence of a recent actual pattern of short-term profit-taking. Financial liabilities held-for-trading are primarily trading deposits, securitization liabilities at fair value, obligations related to securities sold short and certain obligations related to securities sold under repurchase agreements.

Trading portfolio liabilities are accounted for at fair value, with changes in fair value as well as any gains or losses realized on disposal recognized in trading income (loss). Transaction costs are expensed as incurred. Interest is recognized on an accrual basis in interest expense.

#### **Financial Liabilities Designated at Fair Value through Profit or Loss**

Certain financial liabilities may be designated at FVTPL at initial recognition. To be designated at FVTPL, financial liabilities must meet one of the following criteria: (1) the designation eliminates or significantly reduces a measurement or recognition inconsistency; (2) the financial liabilities or a group of financial assets and financial liabilities are managed, and its performance is evaluated, on a fair value basis in accordance with a documented risk management or investment strategy; or (3) the instrument contains one or more embedded derivatives unless a) the embedded derivative does not significantly modify the cash flows that otherwise would be required by the contract, or b) it is clear with little or no analysis that separation of the embedded derivative from the financial instrument is prohibited. In addition, the FVTPL designation is available only for those financial instruments for which a reliable estimate of fair value can be obtained. Once financial liabilities are designated at FVTPL, the designation is irrevocable.

Financial liabilities designated at FVTPL are carried at fair value on the Consolidated Balance Sheet, with changes in fair value as well as any gains or losses realized on disposal recognized in other income (loss), except for the amount of change in fair value attributable to changes in the Bank's own credit risk, which is presented in other comprehensive income. Amounts recognized in other comprehensive income are not subsequently

reclassified to net income upon derecognition of the financial liability; instead, they are transferred directly to retained earnings.

Changes in fair value attributable to changes in the Bank's own credit risk are measured as the difference between: (i) the period-over-period change in the present value of the expected cash flows using an all-in discount curve reflecting both the interest rate benchmark curve and the Bank's own credit curve; and (ii) the period-over-period change in the present value of the same expected cash flows using a discount curve based solely on the interest rate benchmark curve.

For loan commitments and financial guarantee contracts that are designated at FVTPL, the full change in fair value of the liability is recognized in other income (loss).

Interest is recognized on an accrual basis in interest expense.

### **Other Financial Liabilities**

#### *Deposits*

Deposits, other than deposits included in a trading portfolio and deposits designated at FVTPL, are accounted for at amortized cost. Accrued interest on deposits is included in Other liabilities on the Consolidated Balance Sheet. Interest, including capitalized transaction costs, is recognized on an accrual basis using EIRM as Interest expense on the Consolidated Statement of Income.

#### *Subordinated Notes and Debentures*

Subordinated notes and debentures are accounted for at amortized cost. Accrued interest on subordinated notes and debentures is included in Other liabilities on the Consolidated Balance Sheet. Interest, including capitalized transaction costs, is recognized on an accrual basis using EIRM as Interest expense on the Consolidated Statement of Income.

### **Reclassification of Financial Assets and Financial Liabilities**

Financial assets and financial liabilities are not reclassified subsequent to their initial recognition, except for financial assets for which the Bank changes its business model for managing financial assets. Such reclassifications of financial assets are expected to be rare in practice.

### **Impairment – Expected Credit Loss Model**

The ECL model applies to financial assets, including loans and debt securities measured at amortized cost, loans and debt securities measured at FVOCI, loan commitments, and financial guarantees that are not measured at FVTPL.

The ECL model consists of three stages: Stage 1 – Twelve-month ECLs for performing financial assets, Stage 2 – Lifetime ECLs for financial assets that have experienced a significant increase in credit risk since initial recognition, and Stage 3 – Lifetime ECLs for financial assets that are credit-impaired. ECLs are the difference between all the contractual cash flows that are due to the Bank in accordance with the contract and all the cash flows the Bank expects to receive, discounted at the original EIR. If a significant increase in credit risk has occurred since initial recognition, impairment is measured as lifetime ECLs. Otherwise, impairment is measured as twelve-month ECLs which represent the portion of lifetime ECLs that are expected to occur based on default events that are possible within twelve months after the reporting date. If credit quality improves in a subsequent period such that the increase in credit risk since initial recognition is no longer considered significant, the loss allowance reverts to being measured based on twelve-month ECLs.

### **Significant Increase in Credit Risk**

For retail exposures, significant increase in credit risk is assessed based on changes in the twelve-month probability of default (PD) since initial recognition, using a combination of individual and collective information that incorporates borrower and account specific attributes and relevant forward-looking macroeconomic variables.

For non-retail exposures, significant increase in credit risk is assessed based on changes in the internal risk rating (borrower risk ratings (BRR)) since initial recognition. Refer to the shaded areas of the "Managing Risk" section of the 2022 MD&A for further details on the Bank's 21-point BRR scale to risk levels.

For both retail and non-retail exposures, delinquency backstop when contractual payments are more than 30 days past due is also used in assessing significant increase in credit risk.

The Bank defines default as delinquency of 90 days or more for most retail products and BRR of 9 for non-retail exposures. Exposures are

considered credit-impaired and migrate to Stage 3 when the definition of default is met or when there is objective evidence that there has been a deterioration of credit quality to the extent the Bank no longer has reasonable assurance as to the timely collection of the full amount of principal and interest.

When assessing whether there has been a significant increase in credit risk since the initial recognition of a financial asset, the Bank considers all reasonable and supportable information that is available without undue cost or effort about past events, current conditions, and forecast of future economic conditions. Refer to Note 3 for additional details.

### **Measurement of Expected Credit Losses**

ECLs are measured as the probability-weighted present value of expected cash shortfalls over the remaining expected life of the financial instrument and consider reasonable and supportable information about past events, current conditions, and forecasts of future events and economic conditions that impact the Bank's credit risk assessment. Expected life is the maximum contractual period the Bank is exposed to credit risk, including extension options for which the borrower has unilateral right to exercise. For certain financial instruments that include both a loan and an undrawn commitment, and the Bank's contractual ability to demand repayment and cancel the undrawn commitment does not limit the Bank's exposure to credit losses to the contractual notice period, ECLs are measured over the period the Bank is exposed to credit risk. For example, ECLs for credit cards are measured over the borrowers' expected behavioural life, incorporating survivorship assumptions and borrower-specific attributes.

The Bank leverages its Advanced Internal Ratings-Based (AIRB) models used for regulatory capital purposes and incorporates adjustments where appropriate to calculate ECLs.

### **Forward-Looking Information and Expert Credit Judgment**

Forward-looking information is considered when determining significant increase in credit risk and measuring ECLs. Forward-looking macroeconomic factors are incorporated in the risk parameters as relevant.

Qualitative factors that are not already considered in the quantitative models are incorporated by applying expert credit judgment in determining the final ECLs. Refer to Note 3 for additional details.

### **Modified Loans**

In cases where a borrower experiences financial difficulties, the Bank may grant certain modifications to the terms and conditions of a loan. Modifications may include payment deferrals, extension of amortization periods, rate reductions, principal forgiveness, debt consolidation, forbearance and other modifications intended to minimize the economic loss and to avoid foreclosure or repossession of collateral. The Bank has policies in place to determine the appropriate remediation strategy based on the individual borrower.

If the Bank determines that a modification results in expiry of cash flows, the original asset is derecognized and a new asset is recognized based on the new contractual terms. Significant increase in credit risk is assessed relative to the risk of default on the date of modification.

If the Bank determines that a modification does not result in derecognition, significant increase in credit risk is assessed based on the risk of default at initial recognition of the original asset. Expected cash flows arising from the modified contractual terms are considered when calculating ECLs for the modified asset. For loans that were modified while having lifetime ECLs, the loans can revert to having twelve-month ECLs after a period of performance and improvement in the borrower's financial condition.

### **Allowance for Loan Losses, Excluding Acquired Credit-Impaired Loans**

The allowance for loan losses represents management's calculation of probability-weighted ECLs in the lending portfolios, including any off-balance sheet exposures, at the balance sheet date. The allowance for loan losses for lending portfolios reported on the Consolidated Balance Sheet, which includes credit-related allowances for residential mortgages, consumer instalment and other personal, credit card, business and government loans, and customers' liability under acceptances, is deducted from Loans on the Consolidated Balance Sheet. The allowance for loan losses for loans measured at FVOCI is presented on the Consolidated Statement of Changes in Equity. The allowance for loan losses for off-balance sheet instruments, which relates to certain guarantees, letters

of credit, and undrawn lines of credit, is recognized in Other liabilities on the Consolidated Balance Sheet. Allowances for lending portfolios reported on the balance sheet and off-balance sheet exposures are calculated using the same methodology. The allowance is increased by the provision for credit losses and decreased by write-offs net of recoveries and disposals. Each quarter, allowances are reassessed and adjusted based on any changes in management's estimate of ECLs. Loan losses on impaired loans in Stage 3 continue to be recognized by means of an allowance for loan losses until a loan is written off.

A loan is written off against the related allowance for loan losses when there is no realistic prospect of recovery. Non-retail loans are generally written off when all reasonable collection efforts have been exhausted, such as when a loan is sold, when all security has been realized, or when all security has been resolved with the receiver or bankruptcy court. Non-real estate retail loans are generally written off when contractual payments are 180 days past due, or when a loan is sold. Real-estate secured retail loans are generally written off when the security is realized. The time period over which the Bank performs collection activities on the contractual amount outstanding of financial assets that are written off varies from one jurisdiction to another and generally spans between less than one year to five years.

#### **Allowance for Credit Losses on Debt Securities**

The allowance for credit losses on debt securities represents management's calculation of probability-weighted ECLs. Debt securities measured at amortized cost are presented net of the allowance for credit losses on the Consolidated Balance Sheet. The allowance for credit losses on debt securities measured at FVOCI are presented on the Consolidated Statement of Changes in Equity. The allowance for credit losses is increased by the provision for credit losses and decreased by write-offs net of recoveries and disposals.

#### **Acquired Performing Loans**

Acquired performing loans are initially measured at fair value, which considers incurred and expected future credit losses estimated at the acquisition date and also reflects adjustments based on the acquired loan's interest rate in comparison to current market rates. On acquisition, twelve-month ECLs are recognized on the acquired performing loans, resulting in the carrying amount being lower than fair value. Acquired performing loans are subsequently accounted for at amortized cost based on their contractual cash flows and any acquisition related discount or premium, including credit-related discounts, is considered to be an adjustment to the loan yield and is recognized in interest income using EIRM over the term of the loan, or the expected life of the loan for acquired performing loans with revolving terms.

#### **Acquired Credit-Impaired Loans**

When loans are acquired with evidence of incurred credit loss where it is probable at the purchase date that the Bank will be unable to collect all contractually required principal and interest payments, they are generally considered to be acquired credit-impaired (ACI) loans, with no ECLs recognized on acquisition. ACI loans are identified as impaired at acquisition based on specific risk characteristics of the loans, including past due status, performance history, and recent borrower credit scores. ACI loans are accounted for based on the present value of expected cash flows as opposed to their contractual cash flows. The Bank determines the fair value of these loans at the acquisition date by discounting expected cash flows at a discount rate that reflects factors a market participant would use when determining fair value, including management assumptions relating to default rates, loss severities, the amount and timing of prepayments, and other factors that are reflective of current market conditions. With respect to certain individually significant ACI loans, accounting is applied individually at the loan level. The remaining ACI loans are aggregated provided they are acquired in the same fiscal quarter and have common risk characteristics. Aggregated loans are accounted for as a single asset with aggregated cash flows and a single composite interest rate. Subsequent to acquisition, the Bank regularly reassesses and updates its cash flow estimates for changes to assumptions relating to default rates, loss severities, the amount and timing of prepayments, and other factors that are reflective of current market conditions. Probable decreases in expected cash flows trigger the recognition of additional impairment, which is measured based on the

present value of the revised expected cash flows discounted at the loan's EIR as compared to the carrying value of the loan. The ECL in excess of the initial credit-related discount is recorded through the provision for credit losses. Interest income on ACI loans is calculated by applying the credit-adjusted EIR to the amortized cost of ACI loans.

#### **SHARE CAPITAL AND OTHER EQUITY INSTRUMENTS**

The Bank classifies financial instruments that it issues as either financial liabilities, equity instruments, or compound instruments.

Issued instruments that are mandatorily redeemable or convertible into a variable number of the Bank's common shares at the holder's option are classified as liabilities on the Consolidated Balance Sheet. Dividend or interest payments on these instruments are recognized in Interest expense on the Consolidated Statement of Income.

Issued instruments are classified as equity when there is no contractual obligation to transfer cash or other financial assets to redeem or convert these instruments. Such instruments, if not mandatorily redeemable or convertible into a variable number of the Bank's common shares at the holder's option, are classified as equity on the Consolidated Balance Sheet. Incremental costs directly attributable to the issue of equity instruments are included in equity as a deduction from the proceeds, net of tax. Dividends and distributions on these instruments are recognized as a reduction in equity.

Compound instruments are comprised of both liability and equity components in accordance with the substance of the contractual arrangement. The liability component is initially measured at fair value with any residual amount assigned to the equity component. Issuance costs are allocated proportionately to the liability and equity components.

Common shares, preferred shares, and other equity instruments issued and held by the Bank are classified as treasury instruments in equity, and the cost of these instruments is recorded as a reduction in equity. Upon the sale of treasury instruments, the difference between the sale proceeds and the cost of the instruments is recorded in or against contributed surplus.

#### **GUARANTEES**

The Bank issues guarantee contracts that require payments to be made to guaranteed parties based on: (1) changes in the underlying economic characteristics relating to an asset or liability of the guaranteed party; (2) failure of another party to perform under an obligating agreement; or (3) failure of another third party to pay its indebtedness when due. Guarantees are initially measured and recorded at their fair value. The fair value of a guarantee liability at initial recognition is normally equal to the present value of the guarantee fees received over the life of the contract. The Bank's release from risk is recognized over the term of the guarantee using a systematic and rational amortization method.

If a guarantee meets the definition of a derivative, it is carried at fair value on the Consolidated Balance Sheet and reported as a derivative asset or derivative liability at fair value. Guarantees that are considered derivatives are over-the-counter (OTC) credit derivative contracts designed to transfer the credit risk in an underlying financial instrument from one counterparty to another.

#### **DERIVATIVES**

Derivatives are instruments that derive their value from changes in underlying interest rates, foreign exchange rates, credit spreads, commodity prices, equities, or other financial or non-financial measures. Such instruments include interest rate, foreign exchange, equity, commodity, and credit derivative contracts. The Bank uses these instruments for trading and non-trading purposes. Derivatives are carried at their fair value on the Consolidated Balance Sheet.

#### **Derivatives Held for Trading Purposes**

The Bank enters into trading derivative contracts to meet the needs of its customers, to provide liquidity and market-making related activities, and in certain cases, to manage risks related to its trading portfolios. The realized and unrealized gains or losses on trading derivatives are recognized in trading income (loss).

#### **Derivatives Held for Non-trading Purposes**

Non-trading derivatives are primarily used to manage interest rate, foreign exchange, and other market risks of the Bank's traditional banking activities. When derivatives are held for non-trading purposes and when the transactions meet the hedge accounting requirements of IAS 39,

*Financial Instruments: Recognition and Measurement* (IAS 39), they are presented as non-trading derivatives and receive hedge accounting treatment, as appropriate. Certain derivative instruments that are held for economic hedging purposes, and do not meet the hedge accounting requirements of IAS 39, are also presented as non-trading derivatives with the change in fair value of these derivatives recognized in non-interest income.

### **Hedging Relationships**

#### *Hedge Accounting*

The Bank has an accounting policy choice to apply the hedge accounting requirements of IFRS 9, *Financial Instruments* (IFRS 9) or IAS 39. The Bank has made the decision to continue applying the IAS 39 hedge accounting requirements and complies with the revised annual hedge accounting disclosures as required by the related amendments to IFRS 7, *Financial Instruments: Disclosures* (IFRS 7).

At the inception of a hedging relationship, the Bank documents the relationship between the hedging instrument and the hedged item, its risk management objective, and its strategy for undertaking the hedge. The Bank also requires a documented assessment, both at hedge inception and on an ongoing basis, of whether or not the derivatives that are used in hedging relationships are highly effective in offsetting the changes attributable to the hedged risks in the fair values or cash flows of the hedged items. In order to be considered highly effective, the hedging instrument and the hedged item must be highly and inversely correlated such that the changes in the fair value of the hedging instrument will substantially offset the effects of the hedged exposure throughout the term of the hedging relationship. If a hedging relationship becomes ineffective, it no longer qualifies for hedge accounting and any subsequent change in the fair value of the hedging instrument is recognized in Non-interest income on the Consolidated Statement of Income.

Changes in fair value relating to the derivative component excluded from the assessment of hedge effectiveness are recognized in Net interest income or Non-interest income, as applicable, on the Consolidated Statement of Income.

When derivatives are designated in hedge accounting relationships, the Bank classifies them either as: (1) hedges of the changes in fair value of recognized assets, liabilities or firm commitments (fair value hedges); (2) hedges of the variability in highly probable future cash flows attributable to recognized assets, liabilities or forecast transactions (cash flow hedges); or (3) hedges of net investments in foreign operations (net investment hedges).

#### *Interest Rate Benchmark Reform*

A hedging relationship is affected by IBOR reform if the reform gives rise to uncertainties about (a) the interest rate benchmark (contractually or non-contractually specified) designated as a hedged risk; and/or (b) the timing or the amount of interest rate benchmark-based cash flows of the hedged item or of the hedging instrument.

For such hedging relationships, the following temporary exceptions apply during the period of uncertainty:

- When assessing whether a forecast transaction is highly probable or expected to occur, it is assumed that the interest rate benchmark on which the hedged cash flows (contractually or non-contractually specified) are based is not altered as a result of IBOR reform;
- When assessing whether a hedge is expected to be highly effective, it is assumed that the interest rate benchmark on which the hedged cash flows and/or the hedged risk (contractually or non-contractually specified) are based, or the interest rate benchmark on which the cash flows of the hedging instrument are based, is not altered as a result of IBOR reform;
- A hedge is not required to be discontinued if the actual results of the hedge are outside of a range of 80–125 per cent as a result of IBOR reform; and
- For a hedge of a non-contractually specified benchmark portion of interest rate risk, the requirement that the risk component is separately identifiable need only be met at the inception of the hedging relationship.

#### *Fair Value Hedges*

The Bank's fair value hedges principally consist of interest rate swaps that are used to protect against changes in the fair value of fixed-rate financial instruments due to movements in market interest rates.

The change in the fair value of the derivative that is designated and qualifies as a fair value hedge, as well as the change in the fair value of the hedged item attributable to the hedged risk, is recognized in net interest income to the extent that the hedging relationship is effective. Any change in fair value relating to the ineffective portion of the hedging relationship is recognized immediately in non-interest income.

The cumulative adjustment to the carrying amount of the hedged item (the basis adjustment) is amortized to Net interest income on the Consolidated Statement of Income based on a recalculated EIR over the remaining expected life of the hedged item, with amortization beginning no later than when the hedged item ceases to be adjusted for changes in its fair value attributable to the hedged risk. Where the hedged item has been derecognized, the basis adjustment is immediately released to Net interest income or Non-interest income, as applicable, on the Consolidated Statement of Income.

#### *Cash Flow Hedges*

The Bank is exposed to variability in future cash flows attributable to interest rate, foreign exchange rate, and equity price risks. The amounts and timing of future cash flows are projected for each hedged exposure on the basis of their contractual terms and other relevant factors, including estimates of prepayments and defaults.

The effective portion of the change in the fair value of the derivative that is designated and qualifies as a cash flow hedge is initially recognized in other comprehensive income. The change in fair value of the derivative relating to the ineffective portion is recognized immediately in non-interest income. Amounts in accumulated other comprehensive income (AOCI) are reclassified to Net interest income or Non-interest income, as applicable, on the Consolidated Statement of Income in the same period during which the hedged item affects income.

When a hedging instrument expires or is sold, or when a hedge no longer meets the criteria for hedge accounting, any cumulative gain or loss existing in AOCI at that time remains in AOCI until the forecast transaction impacts the Consolidated Statement of Income. When a forecast transaction is no longer expected to occur, the cumulative gain or loss that was reported in AOCI is immediately reclassified to Net interest income or Non-interest income, as applicable, on the Consolidated Statement of Income.

#### *Net Investment Hedges*

Hedges of net investments in foreign operations are accounted for similar to cash flow hedges. The change in fair value on the hedging instrument relating to the effective portion is recognized in other comprehensive income. The change in fair value of the hedging instrument relating to the ineffective portion is recognized immediately in non-interest income. Gains and losses in AOCI are reclassified to the Consolidated Statement of Income upon the disposal or partial disposal of the investment in the foreign operation. The Bank designates derivatives and non-derivatives (such as foreign currency deposit liabilities) as hedging instruments in net investment hedges.

#### *Embedded Derivatives*

Derivatives may be embedded in financial liabilities or other host contracts. Embedded derivatives are treated as separate derivatives when their economic characteristics and risks are not closely related to those of the host instrument, a separate instrument with the same terms as the embedded derivative would meet the definition of a derivative, and the combined contract is not measured at fair value with changes in fair value recognized in income, such as held-for-trading or designated at FVTPL. These embedded derivatives, which are bifurcated from the host contract, are recognized as Derivatives on the Consolidated Balance Sheet and measured at fair value with subsequent changes in fair value recognized in Non-interest income on the Consolidated Statement of Income.

## TRANSLATION AND PRESENTATION OF FOREIGN CURRENCIES

The Bank's Consolidated Financial Statements are presented in Canadian dollars. Items included in the financial statements of each of the Bank's entities are measured using their functional currency, which is the currency of the primary economic environment in which they operate.

Monetary assets and liabilities denominated in a currency that differs from an entity's functional currency are translated into the functional currency of the entity at exchange rates prevailing at the balance sheet date. Non-monetary assets and liabilities are translated at historical exchange rates. Income and expenses are translated into an entity's functional currency at average exchange rates for the period. Translation gains and losses are included in non-interest income except for equity investments designated at FVOCI where unrealized translation gains and losses are recorded in other comprehensive income.

Foreign operations are those with a functional currency other than Canadian dollars. For the purpose of translation into the Bank's presentation currency, all assets and liabilities are first measured in the functional currency of the foreign operation and subsequently, translated at exchange rates prevailing at the balance sheet date. Income and expenses are translated at average exchange rates for the period. Unrealized translation gains and losses relating to these foreign operations, net of gains or losses arising from net investment hedges and applicable income taxes, are included in other comprehensive income. Translation gains and losses in AOCI are recognized on the Consolidated Statement of Income upon the disposal or partial disposal of the foreign operation. The investment balance of foreign entities accounted for by the equity method, including the Bank's investment in The Charles Schwab Corporation, is translated into Canadian dollars using exchange rates prevailing at the balance sheet date with exchange gains or losses recognized in other comprehensive income.

## OFFSETTING OF FINANCIAL INSTRUMENTS

Financial assets and liabilities are offset, with the net amount presented on the Consolidated Balance Sheet, only if the Bank currently has a legally enforceable right to set off the recognized amounts, and intends either to settle on a net basis or to realize the asset and settle the liability simultaneously. In all other situations, assets and liabilities are presented on a gross basis.

## DETERMINATION OF FAIR VALUE

The fair value of a financial instrument on initial recognition is normally the transaction price, as evidenced by the fair value of the consideration given or received. The best evidence of fair value is quoted prices in active markets. When there is no active market for the instrument, the fair value may be based on other observable current market transactions involving the same or similar instruments, without modification or repackaging, or based on a valuation technique which maximizes the use of observable market inputs.

When financial assets and liabilities have offsetting market risks or credit risks, the Bank applies a measurement exception, as described in Note 5 under Portfolio Exception. The value determined from application of the portfolio exception must be allocated to the individual financial instruments within the group to arrive at the fair value of an individual financial instrument. Balance sheet offsetting presentation requirements, as described above under the *Offsetting of Financial Instruments* section of this Note, are then applied, if applicable.

Valuation adjustments reflect the Bank's assessment of factors that market participants would use in pricing the asset or liability. The Bank recognizes various types of valuation adjustments including, but not limited to, adjustments for bid-offer spreads, adjustments for the unobservability of inputs used in pricing models, and adjustments for assumptions about risk, such as the creditworthiness of either counterparty and market implied unsecured funding costs and benefits for OTC derivatives.

If there is a difference between the initial transaction price and the value based on a valuation technique, the difference is referred to as inception profit or loss. Inception profit or loss is recognized upon initial recognition of the instrument only if the fair value is based on observable inputs. When an instrument is measured using a valuation technique

that utilizes significant non-observable inputs, it is initially valued at the transaction price, which is considered the best estimate of fair value. Subsequent to initial recognition, any difference between the transaction price and the value determined by the valuation technique at initial recognition is recognized as non-observable inputs become observable.

If the fair value of a financial asset measured at fair value becomes negative, it is recognized as a financial liability until either its fair value becomes positive, at which time it is recognized as a financial asset, or until it is extinguished.

## DERECOGNITION OF FINANCIAL INSTRUMENTS

### *Financial Assets*

The Bank derecognizes a financial asset when the contractual rights to that asset have expired. Derecognition may also be appropriate where the contractual right to receive future cash flows from the asset have been transferred, or where the Bank retains the rights to future cash flows from the asset, but assumes an obligation to pay those cash flows to a third party subject to certain criteria.

When the Bank transfers a financial asset, it is necessary to assess the extent to which the Bank has retained the risks and rewards of ownership of the transferred asset. If substantially all the risks and rewards of ownership of the financial asset have been retained, the Bank continues to recognize the financial asset and also recognizes a financial liability for the consideration received. Certain transaction costs incurred are also capitalized and amortized using EIRM. If substantially all the risks and rewards of ownership of the financial asset have been transferred, the Bank will derecognize the financial asset and recognize separately as assets or liabilities any rights and obligations created or retained in the transfer. The Bank determines whether substantially all the risks and rewards have been transferred by quantitatively comparing the variability in cash flows before and after the transfer. If the variability in cash flows does not change significantly as a result of the transfer, the Bank has retained substantially all of the risks and rewards of ownership.

If the Bank neither transfers nor retains substantially all the risks and rewards of ownership of the financial asset, the Bank derecognizes the financial asset where it has relinquished control of the financial asset. The Bank is considered to have relinquished control of the financial asset where the transferee has the practical ability to sell the transferred financial asset. Where the Bank has retained control of the financial asset, it continues to recognize the financial asset to the extent of its continuing involvement in the financial asset. Under these circumstances, the Bank usually retains the rights to future cash flows relating to the asset through a residual interest and is exposed to some degree of risk associated with the financial asset.

The derecognition criteria are also applied to the transfer of part of an asset, rather than the asset as a whole, or to a group of similar financial assets in their entirety, when applicable. If transferring a part of an asset, it must be a specifically identified cash flow, a fully proportionate share of the asset, or a fully proportionate share of a specifically identified cash flow.

### *Securitization*

Securitization is the process by which financial assets are transformed into securities. The Bank securitizes financial assets by transferring those financial assets to a third party and as part of the securitization, certain financial assets may be retained and may consist of an interest-only strip and, in some cases, a cash reserve account (collectively referred to as "retained interests"). If the transfer qualifies for derecognition, a gain or loss on sale of the financial assets is recognized immediately in other income (loss) after considering the effect of hedge accounting on the assets sold, if applicable. The amount of the gain or loss is calculated as the difference between the carrying amount of the asset transferred and the sum of any cash proceeds received, the fair value of any financial asset received or financial liability assumed, and any cumulative gain or loss allocated to the transferred asset that had been recognized in AOCI. To determine the value of the retained interest initially recorded, the previous carrying value of the transferred asset is allocated between the amount derecognized from the balance sheet and the retained interest recorded, in proportion to their relative fair values on the date of transfer. Subsequent

to initial recognition, as market prices are generally not available for retained interests, fair value is determined by estimating the present value of future expected cash flows using management's best estimates of key assumptions that market participants would use in determining such fair value. Refer to Note 3 for assumptions used by management in determining the fair value of retained interests. Retained interest is classified as trading securities with subsequent changes in fair value recorded in trading income (loss).

Where the Bank retains the servicing rights, the benefits of servicing are assessed against market expectations. When the benefits of servicing are more than adequate, a servicing asset is recognized. Similarly, when the benefits of servicing are less than adequate, a servicing liability is recognized. Servicing assets and servicing liabilities are initially recognized at fair value and subsequently carried at amortized cost.

#### **Financial Liabilities**

The Bank derecognizes a financial liability when the obligation under the liability is discharged, cancelled, or expires. If an existing financial liability is replaced by another financial liability from the same lender on substantially different terms or where the terms of the existing liability are substantially modified, the original liability is derecognized and a new liability is recognized with the difference in the respective carrying amounts recognized on the Consolidated Statement of Income.

#### **Securities Purchased Under Reverse Repurchase Agreements, Securities Sold Under Repurchase Agreements, and Securities Borrowing and Lending**

Securities purchased under reverse repurchase agreements involve the purchase of securities by the Bank under agreements to resell the securities at a future date. These agreements are treated as collateralized lending transactions whereby the Bank takes possession of the purchased securities, but does not acquire the risks and rewards of ownership. The Bank monitors the market value of the purchased securities relative to the amounts due under the reverse repurchase agreements, and when necessary, requires transfer of additional collateral. In the event of counterparty default, the agreements provide the Bank with the right to liquidate the collateral held and offset the proceeds against the amount owing from the counterparty.

Obligations related to securities sold under repurchase agreements involve the sale of securities by the Bank to counterparties under agreements to repurchase the securities at a future date. These agreements do not result in the risks and rewards of ownership being relinquished and are treated as collateralized borrowing transactions. The Bank monitors the market value of the securities sold relative to the amounts due under the repurchase agreements, and when necessary, transfers additional collateral or may require counterparties to return the collateral pledged. Certain transactions that do not meet derecognition criteria are also included in obligations related to securities sold under repurchase agreements. Refer to Note 9 for further details.

Securities purchased under reverse repurchase agreements and obligations related to securities sold under repurchase agreements are initially recorded on the Consolidated Balance Sheet at the respective prices at which the securities were originally acquired or sold, plus accrued interest. Subsequently, the agreements are measured at amortized cost on the Consolidated Balance Sheet, plus accrued interest, except when they are held-for-trading or are designated at FVTPL. Interest earned on reverse repurchase agreements and interest incurred on repurchase agreements is determined using EIRM and is included in Interest income and Interest expense, respectively, on the Consolidated Statement of Income. Changes in fair value on reverse repurchase agreements and repurchase agreements that are held-for-trading or are designated at FVTPL are included in Trading income (loss) or in Other income (loss) on the Consolidated Statement of Income.

In securities lending transactions, the Bank lends securities to a counterparty and receives collateral in the form of cash or securities. If cash collateral is received, the Bank records the cash along with an obligation to return the cash as Obligations related to securities sold under repurchase agreements on the Consolidated Balance Sheet. Where securities are received as collateral, the Bank does not record the collateral on the Consolidated Balance Sheet.

In securities borrowing transactions, the Bank borrows securities from a counterparty and pledges either cash or securities as collateral. If cash is pledged as collateral, the Bank records the transaction as Securities purchased under reverse repurchase agreements on the Consolidated Balance Sheet. If securities are pledged as collateral, the securities remain on the Bank's Consolidated Balance Sheet.

Where securities are pledged or received as collateral, security borrowing fees and security lending income are recorded in Non-interest income on the Consolidated Statement of Income over the term of the transaction. Where cash is pledged or received as collateral, interest received or incurred is included in Interest income and Interest expense, respectively, on the Consolidated Statement of Income.

Physical commodities purchased or sold with an agreement to sell or repurchase the physical commodities at a later date at a fixed price, are also included in securities purchased under reverse repurchase agreements and obligations related to securities sold under repurchase agreements, respectively, if the derecognition criteria are not met. These instruments are measured at fair value.

#### **GOODWILL**

Goodwill represents the excess purchase price paid over the net fair value of identifiable assets and liabilities acquired in a business combination. Goodwill is carried at its initial cost less accumulated impairment losses.

Goodwill is allocated to a cash-generating unit (CGU) or a group of CGUs that is expected to benefit from the synergies of the business combination, regardless of whether any assets acquired and liabilities assumed are assigned to the CGU or group of CGUs. A CGU is the smallest identifiable group of assets that generates cash flows largely independent of the cash inflows from other assets or groups of assets. Each CGU or group of CGUs, to which goodwill is allocated, represents the lowest level within the Bank at which the goodwill is monitored for internal management purposes and is not larger than an operating segment. If the composition of a CGU or group of CGUs to which goodwill has been allocated changes as a result of the sale of a business, restructuring or other changes, the goodwill is reallocated to the units affected using a relative value approach, unless the Bank can demonstrate that some other method better reflects the goodwill associated with the units affected.

Goodwill is assessed for impairment at least annually and when an event or change in circumstances indicates that the carrying amount may be impaired. When impairment indicators are present, the recoverable amount of the CGU or group of CGUs, which is the higher of its estimated fair value less costs of disposal and its value-in-use, is determined. If the carrying amount of the CGU or group of CGUs is higher than its recoverable amount, an impairment loss exists. The impairment loss is recognized on the Consolidated Statement of Income and cannot be reversed in future periods.

#### **INTANGIBLE ASSETS**

Intangible assets represent identifiable non-monetary assets and are acquired either separately or through a business combination, or internally generated software. The Bank's intangible assets consist primarily of core deposit intangibles, credit card related intangibles, and software intangibles. Intangible assets are initially recognized at fair value and are amortized over their estimated useful lives (7 to 20 years) proportionate to their expected economic benefits, except for software which is amortized over its estimated useful life (3 to 7 years) on a straight-line basis.

The Bank assesses its intangible assets for impairment indicators on a quarterly basis. When impairment indicators are present, the recoverable amount of the asset, which is the higher of its estimated fair value less costs of disposal and its value-in-use, is determined. If the carrying amount of the asset is higher than its recoverable amount, the asset is written down to its recoverable amount. Where it is not possible to estimate the recoverable amount of an individual asset, the Bank estimates the recoverable amount of the CGU to which the asset belongs. If the CGU is not impaired, the useful life of the intangible asset is assessed with any changes applied on a prospective basis. An impairment loss is recognized on the Consolidated Statement of Income in the period in which the impairment is identified. Impairment losses recognized previously are assessed and reversed if the circumstances leading to the impairment are

no longer present. Reversal of any impairment loss will not exceed the carrying amount of the intangible asset that would have been determined had no impairment loss been recognized for the asset in prior periods.

#### **LAND, BUILDINGS, EQUIPMENT, AND OTHER DEPRECIABLE ASSETS**

Land is recognized at cost. Buildings, computer equipment, furniture and fixtures, other equipment, and leasehold improvements are recognized at cost less accumulated depreciation and provisions for impairment, if any. Gains or losses on disposal are included in Non-interest income on the Consolidated Statement of Income.

The Bank records the obligation associated with the retirement of a long-lived asset at fair value in the period in which it is incurred and can be reasonably estimated, and records a corresponding increase to the carrying amount of the asset. The asset is depreciated on a straight-line basis over its remaining useful life while the liability is accreted to reflect the passage of time until the eventual settlement of the obligation.

Depreciation is recognized on a straight-line basis over the useful lives of the assets estimated by asset category, as follows:

Asset	Useful Life
Buildings	15 to 40 years
Computer equipment	2 to 8 years
Furniture and fixtures	3 to 15 years
Other equipment	5 to 15 years
Leasehold improvements	Lesser of the remaining lease term and the remaining useful life of the asset

The Bank assesses its depreciable assets for changes in useful life or impairment on a quarterly basis. Where an impairment indicator exists and the depreciable asset does not generate separate cash flows on a stand-alone basis, impairment is assessed based on the recoverable amount of the CGU to which the depreciable asset belongs. If the CGU is not impaired, the useful life of the depreciable asset is assessed with any changes applied on a prospective basis. Any impairment loss is recognized on the Consolidated Statement of Income in the period in which the impairment is identified. Impairment losses previously recognized are assessed and reversed if the circumstances leading to their impairment are no longer present. Reversal of any impairment loss will not exceed the carrying amount of the depreciable asset that would have been determined had no impairment loss been recognized for the asset in prior periods.

#### **NON-CURRENT ASSETS HELD-FOR-SALE**

Individual non-current assets or disposal groups are classified as held-for-sale if they are available for immediate sale in their present condition subject only to terms that are usual and customary for sales of such assets or disposal groups, and their sale must be highly probable to occur within one year. For a sale to be highly probable, management must be committed to a sales plan and initiate an active program to market the sale of the non-current assets or disposal groups. Non-current assets or disposal groups classified as held-for-sale are measured at the lower of their carrying amount and fair value less costs to sell on the Consolidated Balance Sheet. Write-downs on premises related non-current assets and write-downs on equipment on initial classification as held-for-sale are included in the line items Occupancy, including depreciation and Equipment, including depreciation, respectively; both of which are included in Non-interest expenses on the Consolidated Statement of Income. Subsequently, a non-current asset or disposal group that is held-for-sale is no longer depreciated or amortized, and any subsequent write-downs in fair value less costs to sell or such increases not in excess of cumulative write-downs, are recognized in Other income on the Consolidated Statement of Income.

#### **SHARE-BASED COMPENSATION**

The Bank grants share options to certain employees as compensation for services provided to the Bank. The Bank uses a binomial tree-based valuation option pricing model to estimate fair value for all share option compensation awards. The cost of the share options is based on the fair value estimated at the grant date and is recognized as compensation expense and contributed surplus over the service period required for employees to become fully entitled to the awards. This period is generally

equal to the vesting period in addition to a period prior to the grant date. For the Bank's share options, this period is generally equal to five years. When options are exercised, the amount initially recognized in the contributed surplus balance is reduced, with a corresponding increase in common shares.

The Bank has various other share-based compensation plans where certain employees are awarded share units equivalent to the Bank's common shares as compensation for services provided to the Bank. The obligation related to share units is included in other liabilities on the Consolidated Balance Sheet. Compensation expense is recognized based on the fair value of the share units at the grant date adjusted for changes in fair value between the grant date and the vesting date, net of hedging activities, over the service period required for employees to become fully entitled to the awards. This period is generally equal to the vesting period, in addition to a period prior to the grant date. For the Bank's share units, this period is generally equal to four years.

#### **EMPLOYEE BENEFITS**

##### ***Defined Benefit Plans***

Actuarial valuations are prepared at least every three years to determine the present value of the projected benefit obligation related to the Bank's defined benefit plans. In periods between actuarial valuations, an extrapolation is performed based on the most recent valuation completed. All rereasurement gains and losses are recognized immediately in other comprehensive income, with cumulative gains and losses reclassified to retained earnings. Pension and post-retirement defined benefit plan expenses are determined based upon separate actuarial valuations using the projected benefit method pro-rated on service and management's best estimates of discount rate, compensation increases, health care cost trend rate, and mortality rates, which are reviewed annually with the Bank's actuaries. The discount rate used to value liabilities is determined by reference to market yields on high-quality corporate bonds with terms matching the plans' specific cash flows. The expense recognized includes the cost of benefits for employee service provided in the current year, net interest expense or income on the net defined benefit liability or asset, past service costs related to plan amendments, curtailments or settlements, and administrative costs. Plan amendment costs are recognized in the period of a plan amendment, irrespective of its vested status. Curtailments and settlements are recognized by the Bank when the curtailment or settlement occurs. A curtailment occurs when there is a significant reduction in the number of employees covered by the plan. A settlement occurs when the Bank enters into a transaction that eliminates all further legal or constructive obligation for part or all of the benefits provided under a defined benefit plan.

The fair value of plan assets and the present value of the projected benefit obligation are measured as at October 31. The net defined benefit asset or liability represents the difference between the cumulative rereasurement gains and losses, expenses, and recognized contributions and is reported in other assets or other liabilities.

Net defined benefit assets recognized by the Bank are subject to a ceiling which limits the asset recognized on the Consolidated Balance Sheet to the amount that is recoverable through refunds of contributions or future contribution holidays. In addition, where a regulatory funding deficit exists related to a defined benefit plan, the Bank is required to record a liability equal to the present value of all future cash payments required to eliminate that deficit.

##### ***Defined Contribution Plans***

For defined contribution plans, annual pension expense is equal to the Bank's contributions to those plans.

#### **INSURANCE**

Premiums for short-duration insurance contracts are deferred as unearned premiums and reported in Non-interest income on the Consolidated Statement of Income on a straight-line basis over the contractual term of the underlying policies, usually twelve months. Such premiums are recognized net of amounts ceded for reinsurance and apply primarily to property and casualty contracts. Unearned premiums are reported in insurance-related liabilities, gross of premiums ceded to reinsurers which are recognized in other assets. Premiums from life and health insurance policies are recognized as income when earned in insurance revenue.

For property and casualty insurance, insurance claims and policy benefit liabilities represent current claims and estimates for future claims related to insurable events occurring at or before the Consolidated Balance Sheet date. These are determined by the appointed actuary in accordance with accepted actuarial practices and are reported as other liabilities. Expected claims and policy benefit liabilities are determined on a case-by-case basis and consider such variables as past loss experience, current claims trends and changes in the prevailing social, economic, and legal environment. These liabilities are continually reviewed, and as experience develops and new information becomes known, the liabilities are adjusted as necessary. In addition to reported claims information, the liabilities recognized by the Bank include a provision to account for the future development of insurance claims, including insurance claims incurred but not reported by policyholders (IBNR). IBNR liabilities are evaluated based on historical development trends and actuarial methodologies for groups of claims with similar attributes. For life and health insurance, actuarial liabilities represent the present values of future policy cash flows as determined using standard actuarial valuation practices. Actuarial liabilities are reported in insurance-related liabilities with changes reported in insurance claims and related expenses.

### PROVISIONS

Provisions are recognized when the Bank has a present obligation (legal or constructive) as a result of a past event, the amount of which can be reliably estimated, and it is probable that an outflow of resources will be required to settle the obligation.

Provisions are measured based on management's best estimate of the consideration required to settle the obligation at the end of the reporting period, taking into account the risks and uncertainties surrounding the obligation. If the effect of the time value of money is material, provisions are measured at the present value of the expenditure expected to be required to settle the obligation, using a discount rate that reflects the current market assessment of the time value of money and the risks specific to the obligation.

### INCOME TAXES

Income tax is comprised of current and deferred tax. Income tax is recognized in the Provision for (recovery of) income taxes on the Consolidated Statement of Income, except to the extent that it relates to items recognized in other comprehensive income or directly in equity, in which case the related taxes are also recognized in other comprehensive income or directly in equity, respectively.

Deferred tax is recognized on temporary differences between the carrying amounts of assets and liabilities on the Consolidated Balance Sheet and the amounts attributed to such assets and liabilities for tax purposes. Deferred tax assets and liabilities are determined based on the tax rates that are expected to apply when the assets or liabilities are

reported for tax purposes. Deferred tax assets are recognized only when it is probable that sufficient taxable profit will be available in future periods against which deductible temporary differences may be utilized. Deferred tax liabilities are not recognized on temporary differences arising on investments in subsidiaries, branches, and associates, and interests in joint ventures if the Bank controls the timing of the reversal of the temporary difference and it is probable that the temporary difference will not reverse in the foreseeable future.

The Bank records a provision for uncertain tax positions if it is probable that the Bank will have to make a payment to tax authorities upon their examination of a tax position. This provision is measured at the Bank's best estimate of the amount expected to be paid. Provisions are reversed in provision for (recovery of) income taxes in the period in which management determines they are no longer required or as determined by statute.

### LEASES

An arrangement contains a lease if there is an identified asset and the Bank has a right to control that asset for a period of time in exchange for consideration. A right-of-use (ROU) asset and lease liability is recognized for all leases except for short-term leases and low value leases, as described below. At the lease commencement date, the lease liability is initially recognized at the present value of the future lease payments over the remaining lease term and is discounted using the Bank's incremental borrowing rate. The ROU asset is recognized at cost, comprising an amount equal to the lease liability, subject to certain adjustments. Subsequently, the ROU asset is measured at cost less accumulated depreciation and impairment and adjusted for any remeasurement of lease liabilities, while the lease liability is accreted using the Bank's incremental borrowing rate. The lease liability is remeasured when there is a modification, a change in the lease term, a change in the lease payments (e.g., changes to future payments resulting from a change in an index or rate used to determine such lease payments) or changes in the Bank's assumptions or strategies relating to the exercise of purchase, extension, or termination options.

The Bank's leases consist primarily of real estate, equipment and other asset leases. ROU assets are recorded in Land, Buildings, Equipment, and Other depreciable assets, and lease liabilities are included in Other liabilities on the Consolidated Balance Sheet. Interest expense on lease liabilities is included in Net interest income and depreciation expense on the ROU assets is recognized in Non-interest expenses on the Consolidated Statement of Income.

Short-term leases, which have a lease term of twelve months or less, and leases of low-value assets are exempt, and their payments are recognized in Non-interest expenses on a straight-line basis within the Bank's Consolidated Statement of Income.

NOTE 3	<b>SIGNIFICANT ACCOUNTING JUDGMENTS, ESTIMATES, AND ASSUMPTIONS</b>
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The estimates used in the Bank's accounting policies are essential to understanding its results of operations and financial condition. Some of the Bank's policies require subjective, complex judgments and estimates as they relate to matters that are inherently uncertain. Changes in these judgments or estimates and changes to accounting standards and policies could have a materially adverse impact on the Bank's Consolidated Financial Statements. The Bank has established procedures to ensure that accounting policies are applied consistently and that the processes for changing methodologies, determining estimates, and adopting new accounting standards are well-controlled and occur in an appropriate and systematic manner.

### CLASSIFICATION AND MEASUREMENT OF FINANCIAL ASSETS

#### Business Model Assessment

The Bank determines its business models based on the objective under which its portfolios of financial assets are managed. Refer to Note 2 for details on the Bank's business models. In determining its business models, the Bank considers the following:

- Management's intent and strategic objectives and the operation of the stated policies in practice;
- The primary risks that affect the performance of the portfolio of assets and how these risks are managed;
- How the performance of the portfolio is evaluated and reported to management; and
- The frequency and significance of financial asset sales in prior periods, the reasons for such sales and the expected future sales activities.

Sales in themselves do not determine the business model and are not considered in isolation. Instead, sales provide evidence about how cash flows are realized. A held-to-collect business model will be reassessed by the Bank to determine whether any sales are consistent with an objective of collecting contractual cash flows if the sales are more than insignificant in value or more than infrequent.

#### Solely Payments of Principal and Interest Test

In assessing whether contractual cash flows represent SPPI, the Bank considers the contractual terms of the instrument. This includes assessing

whether the financial asset contains contractual terms that could change the timing or amount of contractual cash flows such that they would not be consistent with a basic lending arrangement. In making the assessment, the Bank considers the primary terms as follows and assesses if the contractual cash flows of the instrument continue to meet the SPPI test:

- Performance-linked features;
- Terms that limit the Bank's claim to cash flows from specified assets (non-recourse terms);
- Prepayment and extension terms;
- Leverage features; and
- Features that modify elements of the time value of money.

## IMPAIRMENT OF FINANCIAL ASSETS

### **Significant Increase in Credit Risk**

For retail exposures, criteria for assessing significant increase in credit risk are defined at the appropriate product or portfolio level and vary based on the exposure's credit risk at origination. The criteria include relative changes in PD, absolute PD backstop, and delinquency backstop when contractual payments are more than 30 days past due. Significant increase in credit risk since initial recognition has occurred when one of the criteria is met.

For non-retail exposures, BRR is determined on an individual borrower basis using industry and sector specific credit risk models that are based on historical data. Current and forward-looking information that is specific to the borrower, industry, and sector is considered based on expert credit judgment. Criteria for assessing significant increase in credit risk are defined at the appropriate segmentation level and vary based on the BRR of the exposure at origination. Criteria include relative changes in BRR, absolute BRR backstop, and delinquency backstop when contractual payments are more than 30 days past due. Significant increase in credit risk since initial recognition has occurred when one of the criteria is met.

### **Measurement of Expected Credit Loss**

ECLs are recognized on the initial recognition of financial assets. Allowance for credit losses represents management's unbiased estimate of the risk of default and ECLs on the financial assets, including any off-balance sheet exposures, at the balance sheet date.

For retail exposures, ECLs are calculated as the product of PD, loss given default (LGD), and exposure at default (EAD) at each time step over the remaining expected life of the financial asset and discounted to the reporting date based on the EIR. PD estimates represent the forward-looking PD, updated quarterly based on the Bank's historical experience, current conditions, and relevant forward-looking expectations over the expected life of the exposure to determine the lifetime PD curve. LGD estimates are determined based on historical charge-off events and recovery payments, current information about attributes specific to the borrower, and direct costs. Expected cash flows from collateral, guarantees, and other credit enhancements are incorporated in LGD if integral to the contractual terms. Relevant macroeconomic variables are incorporated in determining expected LGD. EAD represents the expected balance at default across the remaining expected life of the exposure. EAD incorporates forward-looking expectations about repayments of drawn balances and future draws where applicable.

For non-retail exposures, ECLs are calculated based on the present value of cash shortfalls determined as the difference between contractual cash flows and expected cash flows over the remaining expected life of the financial instrument. Lifetime PD is determined by mapping the exposure's BRR to forward-looking PD over the expected life. LGD estimates are determined by mapping the exposure's facility risk rating (FRR) to expected LGD which takes into account facility-specific characteristics such as collateral, seniority ranking of debt, and loan structure. Relevant macroeconomic variables are incorporated in determining expected PD and LGD. Expected cash flows are determined by applying the expected LGD to the contractual cash flows to calculate cash shortfalls over the expected life of the exposure.

### **Forward-Looking Information**

In calculating ECLs, the Bank employs internally developed models that utilize parameters for PD, LGD, and EAD. Forward-looking macroeconomic factors including at the regional level are incorporated in the risk parameters as relevant. Additional risk factors that are industry or

segment specific are also incorporated, where relevant. Forward-looking macroeconomic forecasts are generated by TD Economics as part of the ECL process: A base economic forecast is accompanied with upside and downside estimates of realistically possible economic conditions by considering the sources of uncertainty around the base forecast. All macroeconomic forecasts are updated quarterly for each variable on a regional basis where applicable and incorporated as relevant into the quarterly modelling of base, upside and downside risk parameters used in the calculation of ECL scenarios and probability-weighted ECLs. TD Economics will apply judgment to recommend probability weights to each forecast on a quarterly basis. The proposed macroeconomic forecasts and probability weightings are subject to robust management review and challenge process by a cross-functional committee that includes representation from TD Economics, Risk, Finance, and Business. ECLs calculated under each of the three forecasts are applied against the respective probability weightings to determine the probability-weighted ECLs. Refer to Note 8 for further details on the macroeconomic variables and ECL sensitivity.

### **Expert Credit Judgment**

Management's expert credit judgment is used to determine the best estimate for the qualitative component contributing to ECLs, based on an assessment of business and economic conditions, historical loss experience, loan portfolio composition, and other relevant indicators and forward-looking information that are not fully incorporated into the model calculation.

There remains considerable uncertainty regarding the economic trajectory, and management continues to exercise expert credit judgment in assessing if an exposure has experienced significant increase in credit risk since initial recognition and in determining the amount of ECLs at each reporting date. To the extent that certain effects are not fully incorporated into the model calculations, temporary quantitative and qualitative adjustments have been applied.

## LEASES

The Bank applies judgment in determining the appropriate lease term on a lease-by-lease basis. All facts and circumstances that create an economic incentive to exercise a renewal option or not to exercise a termination option including investments in major leaseholds, branch performance and past business practice are considered. The periods covered by renewal or termination options are only included in the lease term if it is reasonably certain that the Bank will exercise the options; management considers "reasonably certain" to be a high threshold. Changes in the economic environment or changes in the industry may impact the Bank's assessment of lease term, and any changes in the Bank's estimate of lease terms may have a material impact on the Bank's Consolidated Balance Sheet and Consolidated Statement of Income.

In determining the carrying amount of ROU assets and lease liabilities, the Bank is required to estimate the incremental borrowing rate specific to each leased asset or portfolio of leased assets if the interest rate implicit in the lease is not readily determinable. The Bank determines the incremental borrowing rate of each leased asset or portfolio of leased assets by incorporating the Bank's creditworthiness, the security, term, and value of the ROU asset, and the economic environment in which the leased asset operates. The incremental borrowing rates are subject to change mainly due to changes in the macroeconomic environment.

## FAIR VALUE MEASUREMENTS

The fair value of financial instruments traded in active markets at the balance sheet date is based on their quoted market prices. For all other financial instruments not traded in an active market, fair value may be based on other observable current market transactions involving the same or similar instruments, without modification or repackaging, or is based on a valuation technique which maximizes the use of observable market inputs. Observable market inputs may include interest rate yield curves, foreign exchange rates, and option volatilities. Valuation techniques include comparisons with similar instruments where observable market prices exist, discounted cash flow analysis, option pricing models, and other valuation techniques commonly used by market participants.

For certain complex or illiquid financial instruments, fair value is determined using valuation techniques in which current market

transactions or observable market inputs are not available. Judgment is used when determining which valuation techniques to apply, liquidity considerations, and model inputs such as volatilities, correlations, spreads, discount rates, pre-payment rates, and prices of underlying instruments. Any imprecision in these estimates can affect the resulting fair value.

Judgment is also used in recording valuation adjustments to model fair values to account for system limitations or measurement uncertainty, such as when valuing complex and less actively traded financial instruments. If the market for a complex financial instrument develops, the pricing for this instrument may become more transparent, resulting in refinement of valuation models. For example, IBOR reform may also have an impact on the fair value of products that reference or use valuation models with IBOR inputs.

An analysis of the fair value of financial instruments and further details as to how they are measured are provided in Note 5.

#### **DERECOGNITION OF FINANCIAL ASSETS**

Certain financial assets transferred may qualify for derecognition from the Bank's Consolidated Balance Sheet. To qualify for derecognition, certain key determinations must be made, including whether the Bank's rights to receive cash flows from the financial asset have been retained or transferred and the extent to which the risks and rewards of ownership of the financial assets have been retained or transferred. If the Bank neither transfers nor retains substantially all of the risks and rewards of ownership of the financial asset, a decision must be made as to whether the Bank has retained control of the financial asset.

Upon derecognition, the Bank will record a gain or loss on sale of those assets which is calculated as the difference between the carrying amount of the asset transferred and the sum of any cash proceeds received, including any financial assets received or financial liabilities assumed, and any cumulative gains or losses allocated to the transferred asset that had been recognized in AOCI. In determining the fair value of any financial assets received, the Bank estimates future cash flows by relying on estimates of the amount of interest that will be collected on the securitized assets, the yield to be paid to investors, the portion of the securitized assets that will be prepaid before their scheduled maturity, ECLs, the cost of servicing the assets, and the rate at which to discount these expected future cash flows. Actual cash flows may differ significantly from those estimated by the Bank.

Retained interests are financial interests in transferred assets retained by the Bank. They are classified as trading securities and are initially recognized at relative fair value on the Bank's Consolidated Balance Sheet. Subsequently, the fair value of retained interests is determined by estimating the present value of future expected cash flows. Differences between the actual cash flows and the Bank's estimated future cash flows are recognized in trading income (loss). These assumptions are subject to periodic reviews and may change due to significant changes in the economic environment.

#### **GOODWILL AND OTHER INTANGIBLES**

The recoverable amount of the Bank's CGUs is determined from internally developed valuation models that consider various factors and assumptions such as forecasted earnings, growth rates, discount rates, and terminal growth rates. Management is required to use judgment in estimating the recoverable amount of CGUs, and the use of different assumptions and estimates in the calculations could influence the determination of the existence of impairment and the valuation of goodwill. Management believes that the assumptions and estimates used are reasonable and supportable. Where possible, assumptions generated internally are compared to relevant market information. The carrying amounts of the Bank's CGUs are determined by management using risk-based capital models to adjust net assets and liabilities by CGU. These models consider various factors including market risk, credit risk, and operational risk, including investment capital (comprised of goodwill and other intangibles). Any capital not directly attributable to the CGUs is held within the Corporate segment. The Bank's capital oversight committees provide oversight to the Bank's capital allocation methodologies.

#### **EMPLOYEE BENEFITS**

The projected benefit obligation and expense related to the Bank's pension and post-retirement defined benefit plans are determined using multiple assumptions that may significantly influence the value of these amounts. Actuarial assumptions including discount rates, compensation increases, health care cost trend rates, and mortality rates are management's best estimates and are reviewed annually with the Bank's actuaries. The Bank develops each assumption using relevant historical experience of the Bank in conjunction with market-related data and considers if the market-related data indicates there is any prolonged or significant impact on the assumptions. The discount rate used to value the projected benefit obligation is determined by reference to market yields on high-quality corporate bonds with terms matching the plans' specific cash flows. The other assumptions are also long-term estimates. All assumptions are subject to a degree of uncertainty. Differences between actual experiences and the assumptions, as well as changes in the assumptions resulting from changes in future expectations, result in remeasurement gains and losses which are recognized in other comprehensive income during the year and also impact expenses in future periods.

#### **INCOME TAXES**

The Bank is subject to taxation in numerous jurisdictions. There are many transactions and calculations in the ordinary course of business for which the ultimate tax determination is uncertain. The Bank maintains provisions for uncertain tax positions that it believes appropriately reflect the risk of tax positions under discussion, audit, dispute, or appeal with tax authorities, or which are otherwise considered to involve uncertainty. These provisions are made using the Bank's best estimate of the amount expected to be paid based on an assessment of all relevant factors, which are reviewed at the end of each reporting period. However, it is possible that at some future date, changes in these liabilities could result from audits by the relevant taxing authorities.

Deferred tax assets are recognized only when it is probable that sufficient taxable profit will be available in future periods against which deductible temporary differences may be utilized. The amount of the deferred tax asset recognized and considered realizable could, however, be reduced if projected income is not achieved due to various factors, such as unfavourable business conditions. If projected income is not expected to be achieved, the Bank would decrease its deferred tax assets to the amount that it believes can be realized. The magnitude of the decrease is significantly influenced by the Bank's forecast of future profit generation, which determines the extent to which it will be able to utilize the deferred tax assets.

#### **PROVISIONS**

Provisions arise when there is some uncertainty in the timing or amount of a loss in the future. Provisions are based on the Bank's best estimate of all expenditures required to settle its present obligations, considering all relevant risks and uncertainties, as well as, when material, the effect of the time value of money.

Many of the Bank's provisions relate to various legal actions that the Bank is involved in during the ordinary course of business. Legal provisions require the involvement of both the Bank's management and legal counsel when assessing the probability of a loss and estimating any monetary impact. Throughout the life of a provision, the Bank's management or legal counsel may learn of additional information that may impact its assessments about the probability of loss or about the estimates of amounts involved. Changes in these assessments may lead to changes in the amount recorded for provisions. In addition, the actual costs of resolving these claims may be substantially higher or lower than the amounts recognized. The Bank reviews its legal provisions on a case-by-case basis after considering, among other factors, the progress of each case, the Bank's experience, the experience of others in similar cases, and the opinions and views of legal counsel.

Certain of the Bank's provisions relate to restructuring initiatives initiated by the Bank. Restructuring provisions require management's best estimate, including forecasts of economic conditions. Throughout the life

of a provision, the Bank may become aware of additional information that may impact the assessment of amounts to be incurred. Changes in these assessments may lead to changes in the amount recorded for provisions.

## INSURANCE

The assumptions used in establishing the Bank's insurance claims and policy benefit liabilities are based on best estimates of possible outcomes.

For property and casualty insurance, the ultimate cost of claims liabilities is estimated using a range of standard actuarial claims projection techniques in accordance with Canadian accepted actuarial practices. Additional qualitative judgment is used to assess the extent to which past trends may or may not apply in the future, in order to arrive at the estimated ultimate claims cost that present the most likely outcome taking into account all the uncertainties involved.

For life and health insurance, actuarial liabilities consider all future policy cash flows, including premiums, claims, and expenses required to administer the policies. Critical assumptions used in the measurement of life and health insurance contract liabilities are determined by the appointed actuary.

Further information on insurance risk assumptions is provided in Note 22.

## CONSOLIDATION OF STRUCTURED ENTITIES

Management judgment is required when assessing whether the Bank should consolidate an entity. For instance, it may not be feasible to determine if the Bank controls an entity solely through an assessment of voting rights for certain structured entities. In these cases, judgment is required to establish whether the Bank has decision-making power over the key relevant activities of the entity and whether the Bank has the ability to use that power to absorb significant variable returns from the entity. If it is determined that the Bank has both decision-making power and significant variable returns from the entity, judgment is also used to determine whether any such power is exercised by the Bank as principal, on its own behalf, or as agent, on behalf of another counterparty.

Assessing whether the Bank has decision-making power includes understanding the purpose and design of the entity in order to determine its key economic activities. In this context, an entity's key economic activities are those which predominantly impact the economic performance of the entity. When the Bank has the current ability to direct the entity's key economic activities, it is considered to have decision-making power over the entity.

The Bank also evaluates its exposure to the variable returns of a structured entity in order to determine if it absorbs a significant proportion of the variable returns the entity is designed to create. As part of this evaluation, the Bank considers the purpose and design of the entity in order to determine whether it absorbs variable returns from the structured entity through its contractual holdings, which may take the form of securities issued by the entity, derivatives with the entity, or other arrangements such as guarantees, liquidity facilities, or lending commitments.

If the Bank has decision-making power over the entity and absorbs significant variable returns from the entity, it then determines if it is acting as principal or agent when exercising its decision-making power. Key factors considered include the scope of its decision-making power; the rights of other parties involved with the entity, including any rights to remove the Bank as decision-maker or rights to participate in key decisions; whether the rights of other parties are exercisable in practice; and the variable returns absorbed by the Bank and by other parties involved with the entity. When assessing consolidation, a presumption exists that the Bank exercises decision-making power as principal if it is also exposed to significant variable returns, unless an analysis of the factors above indicates otherwise.

The decisions above are made with reference to the specific facts and circumstances relevant for the structured entity and related transaction(s) under consideration.

## REVENUE FROM CONTRACTS WITH CUSTOMERS

The Bank applies judgment to determine the timing of satisfaction of performance obligations which affects the timing of revenue recognition, by evaluating the pattern in which the Bank transfers control of services promised to the customer. A performance obligation is satisfied over time when the customer simultaneously receives and consumes the benefits as the Bank performs the service. For performance obligations satisfied over time, revenue is generally recognized using the time-elapsed method which is based on time elapsed in proportion to the period over which the service is provided, for example, personal deposit account bundle fees. The time-elapsed method is a faithful depiction of the transfer of control for these services as control is transferred evenly to the customer when the Bank provides a stand-ready service or effort is expended evenly by the Bank to provide a service over the contract period. In contracts where the Bank has a right to consideration from a customer in an amount that corresponds directly with the value to the customer of the Bank's performance completed to date, the Bank recognizes revenue in the amount to which it has a right to invoice.

The Bank satisfies a performance obligation at a point in time if the customer obtains control of the promised services at that date. Determining when control is transferred requires the use of judgment. For transaction-based services, the Bank determines that control is transferred to the customer at a point in time when the customer obtains substantially all of the benefits from the service rendered and the Bank has a present right to payment, which generally coincides with the moment the transaction is executed.

The Bank exercises judgment in determining whether costs incurred in connection with acquiring new revenue contracts would meet the requirement to be capitalized as incremental costs to obtain or fulfil a contract with customers.

## INTEREST RATE BENCHMARK REFORM PHASE 2

Effective November 1, 2020, the Bank early adopted the Interest Rate Benchmark Reform Phase 2 and no transitional adjustment was required.

Interest Rate Benchmark Reform Phase 2 addresses issues affecting financial reporting when changes are made to contractual cash flows of financial instruments or hedging relationships as a result of IBOR reform. The amendments permit modification to financial assets, financial liabilities and lessee lease liabilities required as a direct consequence of IBOR reform and made on an economically equivalent basis to be accounted for by updating the EIR prospectively. If the modification does not meet the practical expedient requirements, existing IFRS requirements are applied. Relief is also provided for an entity's hedge accounting relationships in circumstances where changes to hedged items and hedging instruments arise as a result of IBOR reform. The amendments enable entities to amend the formal designation and documentation of a hedging relationship to reflect these changes without discontinuing the hedging relationship or designating a new hedging relationship. Permitted changes include redefining the hedged risk to reference an ARR (contractually or non-contractually specified), amending the description of the hedged item and hedging instrument to reflect the ARR, and amending the description of how the entity will assess hedge effectiveness. Hedging relationships within the scope of Interest Rate Benchmark Reform Phase 2 are the same as those within the scope of Interest Rate Benchmark Reform Phase 1. Interest Rate Benchmark Reform Phase 2 also amended IFRS 7, introducing expanded qualitative and quantitative disclosures about the risks arising from IBOR reform, how an entity is managing those risks, its progress in completing the transition to ARRs, and how it is managing the transition.

The global benchmark rate reform initiative to transition from IBOR benchmarks (such as London Inter-Bank Offered Rate (LIBOR) and Canadian Dollar Offered Rate (CDOR)) to ARRs may result in market dislocation and have other adverse consequences to the Bank, its customers, market participants, and the financial services industry. Market risks arise because the new reference rates are likely to differ from the existing benchmark rates which could result in different financial

performance for previously booked transactions, require alternative hedging strategies, or affect the Bank's capital and liquidity planning and management. In order to manage these risks, the Bank has established an enterprise-wide, cross functional initiative with senior executive oversight to evaluate and monitor the impact of the market, financial, operational, legal, technology and other risks on its products, services, systems, models, documents, processes, and risk management frameworks with the intention of managing the impact through appropriate mitigating actions, but such actions may not be sufficient to mitigate against the impact of all such risks.

Effective December 31, 2021, the publication of LIBOR settings has ceased for all sterling, Japanese yen, Swiss franc, and euro settings as well as the one-week and two-month USD LIBOR settings. The Bank is progressing on its transition plan for the remaining USD LIBOR settings (overnight, one-month, three-month, six-month and twelve-month), which will cease to be published immediately after June 30, 2023, and continues to monitor developments while incorporating global working group and regulator best practice guidance on transition activities. Global regulators have issued guidance and policy statements to supervised institutions restricting the use of USD LIBOR as a reference rate in new contracts written after December 31, 2021, subject to limited exceptions. In addition, the Bank continues to monitor the development and usage of ARR's across the industry, including the Alternative Reference Rates Committee's formal recommendation of the CME Group's forward-looking Secured Overnight Financing Rate (SOFR) Term Rates. To help support the transition of legacy derivative contracts, the Bank's registered swap dealer and four additional Bank affiliates have adhered to the 2020 International Swaps and Derivatives Association IBOR Fallbacks Protocol (ISDA Protocol). The ISDA Protocol, which took effect on January 25, 2021, provides an efficient transition mechanism for mutually adhering counterparties to incorporate prescribed fallback rates into legacy derivative contracts.

The following table discloses the Bank's exposure to significant interest rate benchmarks subject to IBOR reform that have yet to transition to an ARR and mature after June 30, 2023 for USD LIBOR and after December 31, 2021 for other IBORs that were subject to transition, including certain demand loans that have no specific maturity. This also includes exposure to interest rate benchmarks subject to IBOR reform methodology enhancements that are not required to transition to an ARR.

#### Exposures to LIBOR and Other Rates Subject to Reform<sup>1,2</sup>

(millions of Canadian dollars)	As at	
	October 31 2022	October 31 2021
Non-derivative financial assets <sup>3</sup>	\$ 88,988	\$ 106,912
Non-derivative financial liabilities	604	519
Derivative notional amounts	4,386,899	4,380,555
Off-balance sheet commitments <sup>4</sup>	70,772	90,700

<sup>1</sup> LIBOR subject to reform or that have already ceased include the following: USD LIBOR, GBP LIBOR, JPY LIBOR, EUR LIBOR, and CHF LIBOR. Other IBORs subject to reform or that have already ceased include the following: NOK NIBOR (Norwegian Interbank Offered Rate), ZAR JIBAR (Johannesburg Interbank Average Rate), SGD SOR (Singapore Dollar Swap Offer Rate), HKD HIBOR (Hong Kong Interbank Offered Rate), SEK STIBOR (Stockholm Interbank Offered Rate), and MXN TIIE (Interbank Equilibrium Interest Rate). Other rates subject to reform or that have already ceased include the following: EUR EONIA (Euro Overnight Index Average) and CORRA (Canadian Overnight Repo Rate Average).

<sup>2</sup> Certain demand deposits with no specific maturity allow the Bank to change the benchmark reference rate at its sole discretion and are therefore excluded from the table. As at October 31, 2022, the carrying amount of demand deposits with no specific maturity was \$392 million (October 31, 2021 – \$3 billion).

<sup>3</sup> Loans reported under non-derivative financial assets represent the drawn amounts and exclude allowance for loan losses. As at October 31, 2022, non-derivative financial assets were \$89 billion, of which \$48 billion relates to Loans, \$33 billion relates to Debt securities at amortized cost, \$5 billion relates to Financial assets at FVOCI, and \$2 billion relates to demand loans with no specific maturity. As at October 31, 2021, non-derivative financial assets were \$107 billion, of which \$62 billion relates to Loans, \$37 billion relates to Debt securities at amortized cost, \$6 billion relates to Financial assets at FVOCI, and \$2 billion relates to demand loans with no specific maturity.

<sup>4</sup> Exposures reflect authorized and committed undrawn commitments. For multi-currency facilities, the currency of borrowing is often the same as the facility currency and therefore the Bank has assumed that the benchmark interest rate for its undrawn credit and liquidity commitments is in the same facility currency as the benchmark rate for that currency for the purpose of this disclosure.

On May 16, 2022, Refinitiv Benchmark Services (UK) Limited, the administrator of CDOR, announced that the calculation and publication of all tenors of CDOR will permanently cease following a final publication on June 28, 2024. CDOR is currently the primary interest rate benchmark in Canada and is widely used in Canadian dollar financial instruments including derivatives, loans, floating rate notes, and as a daily benchmark reference rate for Canadian Bankers' Acceptance (BA) borrowings. The Bank has incorporated this development into its benchmark rate reform plan to ensure an orderly transition and to manage the impact through appropriate mitigating actions. These actions include incorporating appropriate fallback language in contracts, making available new products referencing the Canadian Overnight Repo Rate Average (CORRA) or other ARR's, preparing to cease the issuance of CDOR-based financial instruments, transitioning legacy CDOR-based contracts, and preparing for overall operational readiness.

The following table discloses the Bank's exposure to financial instruments referencing CDOR that have yet to transition to an ARR and mature after June 28, 2024.

#### Exposures to CDOR Subject to Reform<sup>1,2</sup>

(millions of Canadian dollars)	As at	
	October 31 2022	July 31 2022
Non-derivative financial assets <sup>3</sup>	\$ 10,742	\$ 6,261
Non-derivative financial liabilities <sup>4</sup>	12,689	12,965
Derivative notional amounts	3,066,690	2,693,607
Off-balance sheet commitments <sup>5</sup>	42,022	38,643

<sup>1</sup> CDOR includes exposure to one-month, two-month, and three-month tenors for CDOR and BA rates.

<sup>2</sup> Certain demand deposits with no specific maturity allow the Bank to change the benchmark reference rate at its sole discretion and are therefore excluded from the table. As at October 31, 2022, the carrying amount of demand deposits with no specific maturity was \$8 billion (July 31, 2022 – \$7 billion).

<sup>3</sup> Loans reported under non-derivative financial assets represent the drawn amounts and exclude allowance for loan losses. As at October 31, 2022, non-derivative financial assets were \$11 billion, of which \$3 billion relates to Loans and \$5 billion relates to Debt securities at amortized cost. As at July 31, 2022, non-derivative financial assets were \$6 billion, of which \$2 billion relates to Loans and \$2 billion relates to Debt securities at amortized cost.

<sup>4</sup> As at October 31, 2022, non-derivative financial liabilities were \$13 billion, of which \$9 billion relates to Subordinated notes and debentures. As at July 31, 2022, non-derivative financial liabilities were \$13 billion, of which \$9 billion relates to Subordinated notes and debentures.

<sup>5</sup> Exposures reflect authorized and committed undrawn commitments. For multi-currency facilities, the currency of borrowing is often the same as the facility currency and therefore the Bank has assumed that the benchmark interest rate for its undrawn credit and liquidity commitments is in the same facility currency as the benchmark rate for that currency for the purpose of this disclosure. As at October 31, 2022, off-balance sheet commitments include drawn amounts of BA borrowings of \$13 billion (July 31, 2022 – \$12 billion).

**CURRENT CHANGES IN ACCOUNTING POLICIES**

There were no new accounting policies that have been adopted by the Bank for the fiscal year ended October 31, 2022.

**FUTURE CHANGES IN ACCOUNTING POLICIES**

The following standard has been issued, but is not yet effective on the date of issuance of the Bank's Consolidated Financial Statements.

**Insurance Contracts**

The IASB issued IFRS 17, *Insurance Contracts* (IFRS 17) which replaces the guidance in IFRS 4, *Insurance Contracts*, and establishes principles for recognition, measurement, presentation, and disclosure of insurance contracts. Under IFRS 17, insurance contracts are aggregated into groups which are measured at the risk adjusted present value of cash flows in fulfilling the contracts. Revenue is recognized as insurance contract services are provided over the coverage period. Losses are recognized immediately if the contract group is expected to be onerous.

The standard is effective for annual reporting periods beginning on or after January 1, 2023, which will be November 1, 2023 for the Bank. OSFI's related Advisory precludes early adoption. The standard will be applied retrospectively with restatement of comparatives unless impracticable.

The adoption of IFRS 17 is a significant initiative for the Bank and is supported by a robust governance structure. The Executive Steering Committee includes representation from the Insurance business, Finance, Actuaries, Risk, Technology, and project management teams. Updates are also provided to the TD insurance subsidiary boards, Risk Committee, and Audit Committee of the Bank.

The Bank is proceeding with implementation of a software solution, including data preparation, system testing and configuration, and other implementation efforts accordingly.

Certain assets and liabilities, primarily financial instruments, are carried on the balance sheet at their fair value on a recurring basis. These financial instruments include trading loans and securities, non-trading financial assets at FVTPL, financial assets and liabilities designated at FVTPL, financial assets at FVOCI, derivatives, certain securities purchased under reverse repurchase agreements, trading deposits, securitization liabilities at fair value, obligations related to securities sold short, and certain obligations related to securities sold under repurchase agreements. All other financial assets and financial liabilities are carried at amortized cost.

**(a) VALUATION GOVERNANCE**

Valuation processes are guided by policies and procedures that are approved by senior management and subject matter experts. Senior Executive oversight over the valuation process is provided through various valuation committees. Further, the Bank has a number of additional controls in place, including an independent price verification process to ensure the accuracy of fair value measurements reported in the financial statements. The sources used for independent pricing comply with the standards set out in the approved valuation-related policies, which include consideration of the reliability, relevancy, and timeliness of data.

**(b) METHODS AND ASSUMPTIONS**

The Bank calculates fair value for measurement and disclosure purposes based on the following methods of valuation and assumptions:

**Government and Government-Related Securities**

The fair value of Canadian government debt securities is based on quoted prices in active markets, where available. Where quoted prices are not available, valuation techniques such as discounted cash flow models may be used, which maximize the use of observable inputs such as government bond yield curves.

The fair value of U.S. government and agency debt securities is determined by reference to recent transaction prices, broker quotes, or third-party vendor prices. Brokers or third-party vendors may use a pool-specific valuation model to value these securities. Observable market inputs to the model include to-be-announced market prices, the applicable indices, and metrics such as the coupon, maturity, and weighted-average maturity of the pool. Market inputs used in the valuation model include, but are not limited to, indexed yield curves and trading spreads.

The fair value of other Organisation for Economic Co-operation and Development (OECD) government-guaranteed debt is based on broker quotes and third-party vendor prices, or where these quotes or prices are not readily available, other valuation techniques, such as discounted cash flow models, may be used. Market inputs used in other valuation techniques or broker quotes and third-party vendor prices include government bond yield curves and trade execution data.

The fair value of residential mortgage-backed securities (MBS) is based on broker quotes, third-party vendor prices, or other valuation techniques, such as the use of option-adjusted spread models which include inputs such as prepayment rate assumptions related to the underlying collateral. Observable inputs include, but are not limited to, indexed yield curves and bid-ask spreads. Other inputs may include volatility assumptions derived using Monte Carlo simulations and take into account factors such as counterparty credit quality and liquidity.

**Other Debt Securities**

The fair value of corporate and other debt securities is based on broker quotes, third-party vendor prices, or other valuation techniques, such as discounted cash flow techniques. Market inputs used in the other valuation techniques or underlying third-party vendor prices or broker quotes include benchmark and government bond yield curves, credit spreads, and trade execution data.

Asset-backed securities are primarily fair valued using third-party vendor prices. The third-party vendor employs a valuation model which maximizes the use of observable inputs such as benchmark yield curves and bid-ask spreads. The model also takes into account relevant data about the underlying collateral, such as weighted-average terms to maturity and prepayment rate assumptions.

**Equity Securities**

The fair value of equity securities is based on quoted prices in active markets, where available. Where quoted prices in active markets are not readily available, such as for private equity securities, or where there is a wide bid-ask spread, fair value is determined based on quoted market prices for similar securities or through valuation techniques, including discounted cash flow analysis, multiples of earnings before taxes, depreciation and amortization, and other relevant valuation techniques.

If there are trading restrictions on the equity security held, a valuation adjustment is recognized against available prices to reflect the nature of the restriction. However, restrictions that are not part of the security held and represent a separate contractual arrangement that has been entered into by the Bank and a third party do not impact the fair value of the original instrument.

**Retained Interests**

Retained interests are classified as trading securities and are initially recognized at their relative fair market value. Subsequently, the fair value of retained interests recognized by the Bank is determined by estimating the present value of future expected cash flows. Differences between the actual cash flows and the Bank's estimate of future cash flows are recognized in income. These assumptions are subject to periodic review and may change due to significant changes in the economic environment.

## Loans

The estimated fair value of loans carried at amortized cost reflects changes in market price that have occurred since the loans were originated or purchased. For fixed-rate performing loans, estimated fair value is determined by discounting the expected future cash flows related to these loans at current market interest rates for loans with similar credit risks. For floating-rate performing loans, changes in interest rates have minimal impact on fair value since loans reprice to market frequently. On that basis, fair value is assumed to approximate carrying value. The fair value of loans is not adjusted for the value of any credit protection the Bank has purchased to mitigate credit risk.

The fair value of loans carried at FVTPL, which includes trading loans and non-trading loans at FVTPL, is determined using observable market prices, where available. Where the Bank is a market maker for loans traded in the secondary market, fair value is determined using executed prices, or prices for comparable trades. For those loans where the Bank is not a market maker, the Bank obtains broker quotes from other reputable dealers, or uses valuation techniques to determine fair value.

The fair value of loans carried at FVOCI is assumed to approximate amortized cost as they are generally floating rate performing loans that are short term in nature.

## Commodities

The fair value of commodities is based on quoted prices in active markets, where available. The Bank also transacts commodity derivative contracts which can be traded on an exchange or in OTC markets.

## Derivative Financial Instruments

The fair value of exchange-traded derivative financial instruments is based on quoted market prices. The fair value of OTC derivative financial instruments is estimated using well established valuation techniques, such as discounted cash flow techniques, the Black-Scholes model, and Monte Carlo simulation. The valuation models incorporate inputs that are observable in the market or can be derived from observable market data.

Prices derived by using models are recognized net of valuation adjustments. The inputs used in the valuation models depend on the type of derivative and the nature of the underlying instrument and are specific to the instrument being valued. Inputs can include, but are not limited to, interest rate yield curves, foreign exchange rates, dividend yield projections, commodity spot and forward prices, recovery rates, volatilities, spot prices, and correlation.

A credit valuation adjustment (CVA) is recognized against the model value of OTC derivatives to account for the uncertainty that either counterparty in a derivative transaction may not be able to fulfil its obligations under the transaction. In determining CVA, the Bank takes into account master netting agreements and collateral, and considers the creditworthiness of the counterparty and of the Bank itself, using market observed or proxy credit spreads, in assessing potential future amounts owed to, or by the Bank.

The fair value of a derivative is partly a function of collateralization. The Bank uses the relevant overnight index swap curve to discount the cash flows for collateralized derivatives as most collateral is posted in cash and can be funded at the overnight rate.

A funding valuation adjustment (FVA) is recognized against the model value of OTC derivatives to recognize the market implied unsecured funding costs and benefits considered in the pricing and fair value determination. Some of the key drivers of FVA include the market implied funding spread and the expected average exposure by counterparty.

The Bank will continue to monitor industry practice on valuation adjustments and may refine the methodology as market practices evolve.

## Deposits

The estimated fair value of term deposits is determined by discounting the contractual cash flows using interest rates currently offered for deposits with similar terms.

For deposits with no defined maturities, the Bank considers fair value to equal carrying value, which is equivalent to the amount payable on the balance sheet date.

For trading deposits and deposits designated at FVTPL, which is included in financial liabilities designated at FVTPL, fair value is determined using discounted cash flow valuation techniques which maximize the use of observable market inputs such as benchmark yield curves and foreign exchange rates. The Bank considers the impact of its own creditworthiness in the valuation of these deposits by reference to observable market inputs.

## Securitization Liabilities

The fair value of securitization liabilities is based on quoted market prices or quoted market prices for similar financial instruments, where available. Where quoted prices are not available, fair value is determined using valuation techniques, which maximize the use of observable inputs, such as Canada Mortgage Bond (CMB) curves and MBS curves.

## Obligations Related to Securities Sold Short

The fair value of these obligations is based on the fair value of the underlying securities, which can include equity or debt securities. As these obligations are fully collateralized, the method used to determine fair value would be the same as that of the relevant underlying equity or debt securities.

## Securities Purchased Under Reverse Repurchase Agreements and Obligations Related to Securities Sold Under Repurchase Agreements

Commodities and certain bonds and equities purchased or sold with an agreement to sell or repurchase them at a later date at a fixed price are carried at fair value. The fair value of these agreements is based on valuation techniques such as discounted cash flow models which maximize the use of observable market inputs such as interest rate swap curves and commodity forward prices.

## Subordinated Notes and Debentures

The fair value of subordinated notes and debentures are based on quoted market prices for similar issuances or current rates offered to the Bank for debt of equivalent credit quality and remaining maturity.

## Portfolio Exception

IFRS 13, *Fair Value Measurement* provides a measurement exception that allows an entity to determine the fair value of a group of financial assets and liabilities with offsetting risks based on the sale or transfer of its net exposure to a particular risk or risks. The Bank manages certain financial assets and financial liabilities, such as derivative assets and derivative liabilities, on the basis of net exposure to a particular risk, or risks; and uses mid-market prices as a basis for establishing fair values for the offsetting risk positions and applies the most representative price within the bid-ask spread to the net open position, as appropriate. Refer to Note 2 for further details on the use of the portfolio exception to establish fair value.

## (c) FAIR VALUE OF FINANCIAL ASSETS AND LIABILITIES NOT CARRIED AT FAIR VALUE

The carrying value and fair value of financial assets and liabilities not carried at fair value are disclosed in the table below. For these instruments, fair values are calculated for disclosure purposes only, using the valuation techniques used by the Bank. In addition, the Bank has determined that the carrying value of certain financial assets and liabilities approximates their fair value, which include: cash and due from banks, interest-bearing deposits with banks, customers' liability under acceptances, amounts receivable from brokers, dealers, and clients, other assets, acceptances, amounts payable to brokers, dealers, and clients, and other liabilities. Substantially all securities purchased under reverse repurchase agreements and obligations related to securities sold under repurchase agreements are measured at amortized cost where the carrying value approximates their fair value.

## Financial Assets and Liabilities not carried at Fair Value<sup>1</sup>

(millions of Canadian dollars)

	As at			
	October 31, 2022		October 31, 2021	
	Carrying value	Fair value	Carrying value	Fair value
<b>FINANCIAL ASSETS</b>				
Debt securities at amortized cost, net of allowance for credit losses				
Government and government-related securities	\$ 256,362	\$ 244,523	\$ 208,559	\$ 207,927
Other debt securities	86,412	81,913	60,380	60,525
Total debt securities at amortized cost, net of allowance for credit losses	342,774	326,436	268,939	268,452
Total loans, net of allowance for loan losses	831,043	810,912	722,622	725,177
Total financial assets not carried at fair value	\$ 1,173,817	\$ 1,137,348	\$ 991,561	\$ 993,629
<b>FINANCIAL LIABILITIES</b>				
Deposits	\$ 1,229,970	\$ 1,218,552	\$ 1,125,125	\$ 1,124,762
Securitization liabilities at amortized cost	15,072	14,366	15,262	15,202
Subordinated notes and debentures	11,290	10,853	11,230	11,838
Total financial liabilities not carried at fair value	\$ 1,256,332	\$ 1,243,771	\$ 1,151,617	\$ 1,151,802

<sup>1</sup> This table excludes financial assets and liabilities where the carrying value approximates their fair value.

### (d) FAIR VALUE HIERARCHY

IFRS requires disclosure of a three-level hierarchy for fair value measurements based upon the observability of inputs to the valuation of an asset or liability as of the measurement date. The three levels are defined as follows:

**Level 1:** Fair value is based on quoted market prices for identical assets or liabilities that are traded in an active exchange market or highly liquid and actively traded in OTC markets.

**Level 2:** Fair value is based on observable inputs other than Level 1 prices, such as quoted market prices for similar (but not identical) assets or liabilities in active markets, quoted market prices for identical assets or liabilities in markets that are not active, and other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities. Level 2 assets and liabilities include debt securities with quoted prices that are traded less frequently than exchange-traded instruments and derivative contracts

whose value is determined using valuation techniques with inputs that are observable in the market or can be derived principally from or corroborated by observable market data.

**Level 3:** Fair value is based on non-observable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities. Financial instruments classified within Level 3 of the fair value hierarchy are initially recognized at their transaction price, which is considered the best estimate of fair value. After initial measurement, the fair value of Level 3 assets and liabilities is determined using valuation models, discounted cash flow methodologies, or similar techniques.

### Fair Value Hierarchy for Assets and Liabilities not carried at Fair Value

The following table presents the levels within the fair value hierarchy for each of the financial assets and liabilities not carried at fair value as at October 31, 2022 and October 31, 2021, but for which fair value is disclosed.

### Fair Value Hierarchy for Assets and Liabilities not carried at Fair Value<sup>1</sup>

(millions of Canadian dollars)

	As at							
	October 31, 2022				October 31, 2021			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
<b>ASSETS</b>								
Debt securities at amortized cost, net of allowance for credit losses								
Government and government-related securities	\$ –	\$ 244,513	\$ 10	\$ 244,523	\$ 20	\$ 207,897	\$ 10	\$ 207,927
Other debt securities	–	81,912	1	81,913	–	60,524	1	60,525
Total debt securities at amortized cost, net of allowance for credit losses	–	326,425	11	326,436	20	268,421	11	268,452
Total loans, net of allowance for loan losses	–	261,618	549,294	810,912	–	251,034	474,143	725,177
Total assets with fair value disclosures	\$ –	\$ 588,043	\$ 549,305	\$ 1,137,348	\$ 20	\$ 519,455	\$ 474,154	\$ 993,629
<b>LIABILITIES</b>								
Deposits	\$ –	\$ 1,218,552	\$ –	\$ 1,218,552	\$ –	\$ 1,124,762	\$ –	\$ 1,124,762
Securitization liabilities at amortized cost	–	14,366	–	14,366	–	15,202	–	15,202
Subordinated notes and debentures	–	10,853	–	10,853	–	11,838	–	11,838
Total liabilities with fair value disclosures	\$ –	\$ 1,243,771	\$ –	\$ 1,243,771	\$ –	\$ 1,151,802	\$ –	\$ 1,151,802

<sup>1</sup> This table excludes financial assets and liabilities where the carrying amount is a reasonable approximation of fair value.

The following table presents the levels within the fair value hierarchy for each of the assets and liabilities measured at fair value on a recurring basis as at October 31, 2022 and October 31, 2021.

**Fair Value Hierarchy for Assets and Liabilities Measured at Fair Value on a Recurring Basis**

	As at							
	October 31, 2022				October 31, 2021			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
<b>FINANCIAL ASSETS AND COMMODITIES</b>								
<b>Trading loans, securities, and other<sup>1</sup></b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 620	\$ 9,042	\$ –	\$ 9,662	\$ 294	\$ 10,902	\$ –	\$ 11,196
Provinces	–	7,706	–	7,706	–	8,326	–	8,326
U.S. federal, state, municipal governments, and agencies debt	2	23,466	–	23,468	–	13,241	–	13,241
Other OECD government-guaranteed debt	–	8,341	–	8,341	–	7,785	–	7,785
Mortgage-backed securities	–	2,109	–	2,109	–	1,500	–	1,500
<b>Other debt securities</b>								
Canadian issuers	–	6,604	–	6,604	–	5,970	–	5,970
Other issuers	–	12,344	49	12,393	–	12,389	6	12,395
<b>Equity securities</b>	<b>44,424</b>	<b>32</b>	<b>–</b>	<b>44,456</b>	<b>59,933</b>	<b>158</b>	<b>33</b>	<b>60,124</b>
<b>Trading loans</b>	<b>–</b>	<b>11,749</b>	<b>–</b>	<b>11,749</b>	<b>–</b>	<b>12,405</b>	<b>–</b>	<b>12,405</b>
<b>Commodities</b>	<b>16,084</b>	<b>1,149</b>	<b>–</b>	<b>17,233</b>	<b>13,919</b>	<b>720</b>	<b>–</b>	<b>14,639</b>
<b>Retained interests</b>	<b>–</b>	<b>5</b>	<b>–</b>	<b>5</b>	<b>–</b>	<b>9</b>	<b>–</b>	<b>9</b>
	<b>61,130</b>	<b>82,547</b>	<b>49</b>	<b>143,726</b>	<b>74,146</b>	<b>73,405</b>	<b>39</b>	<b>147,590</b>
<b>Non-trading financial assets at fair value through profit or loss</b>								
Securities	228	6,608	845	7,681	166	6,127	760	7,053
Loans	–	3,265	–	3,265	–	2,334	3	2,337
	<b>228</b>	<b>9,873</b>	<b>845</b>	<b>10,946</b>	<b>166</b>	<b>8,461</b>	<b>763</b>	<b>9,390</b>
<b>Derivatives</b>								
Interest rate contracts	167	23,699	–	23,866	12	10,277	1	10,290
Foreign exchange contracts	35	72,006	5	72,046	26	35,786	7	35,819
Credit contracts	–	56	–	56	–	57	–	57
Equity contracts	4	4,303	–	4,307	3	5,359	–	5,362
Commodity contracts	634	2,919	45	3,598	365	2,495	39	2,899
	<b>840</b>	<b>102,983</b>	<b>50</b>	<b>103,873</b>	<b>406</b>	<b>53,974</b>	<b>47</b>	<b>54,427</b>
<b>Financial assets designated at fair value through profit or loss</b>								
Securities <sup>1</sup>	–	5,039	–	5,039	–	4,564	–	4,564
	<b>–</b>	<b>5,039</b>	<b>–</b>	<b>5,039</b>	<b>–</b>	<b>4,564</b>	<b>–</b>	<b>4,564</b>
<b>Financial assets at fair value through other comprehensive income</b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	–	16,368	–	16,368	–	12,519	–	12,519
Provinces	–	20,240	–	20,240	–	18,143	–	18,143
U.S. federal, state, municipal governments, and agencies debt	–	11,559	–	11,559	–	19,300	–	19,300
Other OECD government-guaranteed debt	–	1,682	–	1,682	–	6,564	–	6,564
Mortgage-backed securities	–	1,033	–	1,033	–	1,254	–	1,254
<b>Other debt securities</b>								
Asset-backed securities	–	4,440	–	4,440	–	6,981	–	6,981
Corporate and other debt	–	8,621	60	8,681	–	8,040	64	8,104
<b>Equity securities</b>	<b>840</b>	<b>2</b>	<b>2,477</b>	<b>3,319</b>	<b>2,989</b>	<b>1</b>	<b>1,609</b>	<b>4,599</b>
<b>Loans</b>	<b>–</b>	<b>2,353</b>	<b>–</b>	<b>2,353</b>	<b>–</b>	<b>1,602</b>	<b>–</b>	<b>1,602</b>
	<b>840</b>	<b>66,298</b>	<b>2,537</b>	<b>69,675</b>	<b>2,989</b>	<b>74,404</b>	<b>1,673</b>	<b>79,066</b>
<b>Securities purchased under reverse repurchase agreements</b>								
	–	7,450	–	7,450	–	7,992	–	7,992

<sup>1</sup> Balances reflect the reduction of securities owned (long positions) by the amount of identical securities sold but not yet purchased (short positions).

**Fair Value Hierarchy for Assets and Liabilities Measured at Fair Value on a Recurring Basis** (continued)

(millions of Canadian dollars)

	October 31, 2022				October 31, 2021			
	Level 1	Level 2	Level 3	Total	Level 1	Level 2	Level 3	Total
<b>FINANCIAL LIABILITIES</b>								
<b>Trading deposits</b>	\$ –	\$ 23,389	\$ 416	\$ 23,805	\$ –	\$ 22,750	\$ 141	\$ 22,891
<b>Derivatives</b>								
Interest rate contracts	112	19,010	156	19,278	14	11,580	89	11,683
Foreign exchange contracts	23	62,378	1	62,402	28	35,146	–	35,174
Credit contracts	–	152	–	152	–	347	–	347
Equity contracts	–	5,804	59	5,863	–	7,932	82	8,014
Commodity contracts	234	3,186	18	3,438	300	1,596	8	1,904
	369	90,530	234	91,133	342	56,601	179	57,122
<b>Securitization liabilities at fair value</b>	–	12,612	–	12,612	–	13,505	–	13,505
<b>Financial liabilities designated at fair value through profit or loss</b>	–	162,742	44	162,786	–	113,912	76	113,988
<b>Obligations related to securities sold short<sup>1</sup></b>	2,909	42,596	–	45,505	2,015	40,360	9	42,384
<b>Obligations related to securities sold under repurchase agreements</b>	–	9,509	–	9,509	–	5,126	–	5,126

<sup>1</sup> Balances reflect the reduction of securities owned (long positions) by the amount of identical securities sold but not yet purchased (short positions).

**(e) TRANSFERS BETWEEN FAIR VALUE HIERARCHY LEVELS FOR ASSETS AND LIABILITIES MEASURED AT FAIR VALUE ON A RECURRING BASIS**

The Bank's policy is to record transfers of assets and liabilities between the different levels of the fair value hierarchy using the fair values as at the end of each reporting period. Assets are transferred between Level 1 and Level 2 depending on whether there is sufficient frequency and volume in an active market. During the year ended October 31, 2022, the Bank transferred \$383 million of FVOCI U.S. government debt from Level 1 to Level 2. During the year ended October 31, 2021, the Bank transferred \$400 million of FVOCI Canadian government debt from Level 2 to Level 1, which subsequently matured.

**Movements of Level 3 instruments**

Significant transfers into and out of Level 3 occur mainly due to the following reasons:

- Transfers from Level 3 to Level 2 occur when techniques used for valuing the instrument incorporate significant observable market inputs or broker-dealer quotes which were previously not observable.
- Transfers from Level 2 to Level 3 occur when an instrument's fair value, which was previously determined using valuation techniques with significant observable market inputs, is now determined using valuation techniques with significant unobservable inputs.

Due to the unobservable nature of the inputs used to value Level 3 financial instruments, there may be uncertainty about the valuation of these instruments. The fair value of Level 3 instruments may be drawn from a range of reasonably possible alternatives. In determining the appropriate levels for these unobservable inputs, parameters are chosen so that they are consistent with prevailing market evidence and management judgment.

There were no significant transfers between Level 2 and Level 3 during the year ended October 31, 2022. During the year ended October 31, 2021, transfers were made from Level 3 to Level 2 for trading deposits and equity contracts due to changes in the degree of observability of certain inputs in the fair value measurement of these instruments.

There were no other significant changes to the unobservable inputs and sensitivities for assets and liabilities classified as Level 3 during the years ended October 31, 2022 and October 31, 2021.

**(f) RECONCILIATION OF CHANGES IN FAIR VALUE FOR LEVEL 3 ASSETS AND LIABILITIES**

The following tables reconcile changes in fair value of all assets and liabilities measured at fair value using significant Level 3 unobservable inputs for the years ended October 31, 2022 and October 31, 2021.

## Reconciliation of Changes in Fair Value for Level 3 Assets and Liabilities

(millions of Canadian dollars)

	Fair value as at November 1 2021	Total realized and unrealized gains (losses)		Purchases/ Issuances	Movements Sales/ Settlements <sup>4</sup>	Into Level 3	Transfers Out of Level 3	Fair value as at October 31 2022	Change in unrealized gains (losses) on instruments still held <sup>5</sup>
		Included in income <sup>1</sup>	Included in OCI <sup>2,3</sup>						
<b>FINANCIAL ASSETS</b>									
<b>Trading loans, securities, and other</b>									
Other debt securities	\$ 6	\$ 1	\$ –	\$ 5	\$ (15)	\$ 57	\$ (5)	\$ 49	\$ –
Equity securities	33	–	–	24	(57)	–	–	–	–
	39	1	–	29	(72)	57	(5)	49	–
<b>Non-trading financial assets at fair value through profit or loss</b>									
Securities	760	95	–	193	(89)	–	(114)	845	8
Loans	3	–	–	–	(3)	–	–	–	–
	763	95	–	193	(92)	–	(114)	845	8
<b>Financial assets at fair value through other comprehensive income</b>									
Other debt securities	64	–	4	–	(8)	–	–	60	–
Equity securities	1,609	–	86	636	146	–	–	2,477	78
	\$ 1,673	\$ –	\$ 90	\$ 636	\$ 138	\$ –	\$ –	\$ 2,537	\$ 78
<b>FINANCIAL LIABILITIES</b>									
Trading deposits <sup>6</sup>	\$ (141)	\$ 40	\$ –	\$ (324)	\$ 3	\$ (11)	\$ 17	\$ (416)	\$ 31
<b>Derivatives<sup>7</sup></b>									
Interest rate contracts	(88)	(93)	–	–	7	–	18	(156)	(52)
Foreign exchange contracts	7	(4)	–	–	–	1	–	4	2
Equity contracts	(82)	(5)	–	–	–	3	25	(59)	23
Commodity contracts	31	58	–	–	(62)	–	–	27	21
	(132)	(44)	–	–	(55)	4	43	(184)	(6)
<b>Financial liabilities designated at fair value through profit or loss</b>									
	(76)	(238)	–	(337)	607	–	–	(44)	(238)
<b>Obligations related to securities sold short</b>									
	(9)	–	–	–	9	–	–	–	–

	Fair value as at November 1 2020	Total realized and unrealized gains (losses)		Purchases/ Issuances	Movements Sales/ Settlements <sup>4</sup>	Into Level 3	Transfers Out of Level 3	Fair value as at October 31 2021	Change in unrealized gains (losses) on instruments still held <sup>5</sup>
		Included in income <sup>1</sup>	Included in OCI <sup>2,3</sup>						
<b>FINANCIAL ASSETS</b>									
<b>Trading loans, securities, and other</b>									
Government and government-related securities	\$ 16	\$ 2	\$ –	\$ –	\$ (18)	\$ 1	\$ (1)	\$ –	\$ –
Other debt securities	3	–	–	23	(3)	7	(24)	6	–
Equity securities	–	–	–	33	–	–	–	33	–
	19	2	–	56	(21)	8	(25)	39	–
<b>Non-trading financial assets at fair value through profit or loss</b>									
Securities	571	130	–	140	(81)	–	–	760	76
Loans	3	–	–	–	–	–	–	3	–
	574	130	–	140	(81)	–	–	763	76
<b>Financial assets at fair value through other comprehensive income</b>									
Other debt securities	20	–	4	–	–	40	–	64	4
Equity securities	1,579	–	32	161	(163)	–	–	1,609	20
	\$ 1,599	\$ –	\$ 36	\$ 161	\$ (163)	\$ 40	\$ –	\$ 1,673	\$ 24

<sup>1</sup> Gains/losses on financial assets and liabilities are recognized within Non-interest income on the Consolidated Statement of Income.

<sup>2</sup> Other comprehensive income.

<sup>3</sup> Includes realized gains/losses transferred to retained earnings on disposal of equities designated at FVOCI. Refer to Note 7 for further details.

<sup>4</sup> Includes foreign exchange.

<sup>5</sup> Changes in unrealized gains/losses on financial assets at FVOCI are recognized in AOCI.

<sup>6</sup> Issuances and repurchases of trading deposits are reported on a gross basis.

<sup>7</sup> Consists of derivative assets of \$50 million (October 31, 2021/November 1, 2021 – \$47 million; November 1, 2020 – \$381 million) and derivative liabilities of \$234 million (October 31, 2021/November 1, 2021 – \$179 million; November 1, 2020 – \$1,200 million), which have been netted in this table for presentation purposes only.

## Reconciliation of Changes in Fair Value for Level 3 Assets and Liabilities (continued)

(millions of Canadian dollars)

	Fair value as at November 1 2020	Total realized and unrealized gains (losses)		Purchases/ Issuances	Movements Sales/ Settlements <sup>4</sup>	Transfers		Fair value as at October 31 2021	Change in unrealized gains (losses) on instruments still held <sup>5</sup>
		Included in income <sup>1</sup>	Included in OCI <sup>2,3</sup>			Into Level 3	Out of Level 3		
<b>FINANCIAL LIABILITIES</b>									
<b>Trading deposits<sup>6</sup></b>	\$ (4,649)	\$ (999)	\$ –	\$ (790)	\$ 2,636	\$ (7)	\$ 3,668	\$ (141)	\$ (5)
<b>Derivatives<sup>7</sup></b>									
Interest rate contracts	(96)	(9)	–	–	17	–	–	(88)	7
Foreign exchange contracts	2	5	–	–	–	1	(1)	7	6
Equity contracts	(707)	(729)	–	(36)	235	3	1,152	(82)	52
Commodity contracts	(18)	55	–	–	(6)	–	–	31	32
	(819)	(678)	–	(36)	246	4	1,151	(132)	97
<b>Financial liabilities designated at fair value through profit or loss</b>	(24)	(51)	–	(263)	262	–	–	(76)	(44)
<b>Obligations related to securities sold short</b>	–	–	–	(8)	(1)	(1)	1	(9)	–

<sup>1</sup> Gains/losses on financial assets and liabilities are recognized within Non-interest income on the Consolidated Statement of Income.

<sup>2</sup> Other comprehensive income.

<sup>3</sup> Includes realized gains/losses transferred to retained earnings on disposal of equities designated at FVOCI. Refer to Note 7 for further details.

<sup>4</sup> Includes foreign exchange.

<sup>5</sup> Changes in unrealized gains/losses on financial assets at FVOCI are recognized in AOCI.

<sup>6</sup> Issuances and repurchases of trading deposits are reported on a gross basis.

<sup>7</sup> Consists of derivative assets of \$50 million (October 31, 2021/November 1, 2021 – \$47 million; November 1, 2020 – \$381 million) and derivative liabilities of \$234 million (October 31, 2021/November 1, 2021 – \$179 million; November 1, 2020 – \$1,200 million), which have been netted in this table for presentation purposes only.

### (g) VALUATION OF ASSETS AND LIABILITIES CLASSIFIED AS LEVEL 3

#### Significant unobservable inputs in Level 3 positions

The following section discusses the significant unobservable inputs for Level 3 positions and assesses the potential effect that a change in each unobservable input may have on the fair value measurement.

#### Price Equivalent

Certain financial instruments, mainly debt and equity securities, are valued using price equivalents when market prices are not available, with fair value measured by comparison with observable pricing data from instruments with similar characteristics. For debt securities, the price equivalent is expressed in 'points', and represents a percentage of the par amount. For equity securities, the price equivalent is based on a percentage of a proxy price. There may be wide ranges depending on the liquidity of the securities. New issuances of debt and equity securities are priced at 100% of the issue price.

#### Correlation

The movements of inputs are not necessarily independent from other inputs. Such relationships, where material to the fair value of a given instrument, are captured via correlation inputs into the pricing models. The Bank includes correlation between the asset class, as well as across asset classes. For example, price correlation is the relationship between prices of equity securities in equity basket derivatives, and quanto correlation is the relationship between instruments which settle in one currency and the underlying securities which are denominated in another currency.

#### Implied Volatility

Implied volatility is the value of the volatility of the underlying instrument which, when input in an option pricing model, such as Black-Scholes, will return a theoretical value equal to the current market price of the option. Implied volatility is a forward-looking and subjective measure, and differs from historical volatility because the latter is calculated from known past returns of a security.

#### Funding ratio

The funding ratio is a significant unobservable input required to value loan commitments issued by the Bank. The funding ratio represents an estimate of the percentage of commitments that are ultimately funded by the Bank. The funding ratio is based on a number of factors such as observed

historical funding percentages within the various lending channels and the future economic outlook, considering factors including, but not limited to, competitive pricing and fixed/variable mortgage rate gap. An increase/decrease in the funding ratio will increase/decrease loan commitment liability values in relationship to prevailing interest rates.

#### Earnings Multiple, Discount Rate, and Liquidity Discount

Earnings multiple, discount rate, and liquidity discount are significant inputs used when valuing certain equity securities. Earnings multiples are selected based on comparable entities and a higher multiple will result in a higher fair value. Discount rates are applied to cash flow forecasts to reflect time value of money and the risks associated with the cash flows. A higher discount rate will result in a lower fair value. Liquidity discounts may be applied as a result of the difference in liquidity between the comparable entity and the equity securities being valued.

#### Dividend Yield

Dividend yield is a key input for valuing equity contracts and is generally expressed as a percentage of the current price of the stock. Dividend yields can be derived from the repo or forward price of the actual stock being fair valued. Spot dividend yields can also be obtained from pricing sources, if it can be demonstrated that spot yields are a good indication of future dividends.

#### Inflation Rate Swap Curve

The fair value of inflation rate swap contracts is a swap between the interest rate curve and the inflation index. The inflation rate swap spread is not observable and is determined using proxy inputs such as inflation index rates and Consumer Price Index (CPI) bond yields. Generally, swap curves are observable; however, there may be instances where certain specific swap curves are not observable.

#### Net Asset Value

The fair value of certain private funds is based on the net asset value determined by the fund managers based on valuation methodologies, as there are no observable prices for these instruments.

## Valuation techniques and inputs used in the fair value measurement of Level 3 assets and liabilities

The following table presents the Bank's assets and liabilities recognized at fair value and classified as Level 3, together with the valuation techniques

used to measure fair value, the significant inputs used in the valuation technique that are considered unobservable, and a range of values for those unobservable inputs. The range of values represents the highest and lowest inputs used in calculating the fair value.

### Valuation Techniques and Inputs Used in the Fair Value Measurement of Level 3 Assets and Liabilities

As at							
		October 31, 2022			October 31, 2021		
	Valuation technique	Significant unobservable inputs (Level 3)	Lower range	Upper range	Lower range	Upper range	Unit
<b>Government and government-related securities</b>	Market comparable	Bond price equivalent	–	100	n/a <sup>1</sup>	n/a	points
<b>Other debt securities</b>	Market comparable	Bond price equivalent	–	102	–	102	points
<b>Equity securities<sup>2</sup></b>	Market comparable	New issue price	100	100	100	100	%
	Discounted cash flow	Discount rate	–	–	9	9	%
	Market comparable	Price equivalent	128	145	35	36	%
<b>Non-trading financial assets at fair value through profit or loss</b>	Market comparable	New issue price	100	100	100	100	%
	Discounted cash flow	Discount rates	9	9	11	13	%
	EBITDA multiple	Earnings multiple	–	20.0	2.8	20.0	times
	Price-based	Net Asset Value <sup>3</sup>	n/a	n/a	n/a	n/a	
<b>Derivatives</b>							
<b>Interest rate contracts</b>	Discounted cash flow	Inflation rate swap curve	–	3	1	3	%
	Option model	Funding ratio	65	75	60	75	%
<b>Foreign exchange contracts</b>	Option model	Currency-specific volatility	8	17	4	33	%
<b>Equity contracts</b>	Option model	Price correlation	–	95	–	93	%
		Quanto correlation	–	68	10	15	%
		Dividend yield	–	7	–	7	%
		Equity volatility	13	76	27	240	%
<b>Commodity contracts</b>	Option model	Quanto correlation	(67)	(47)	(67)	(47)	%
		Swaption correlation	n/a	n/a	n/a	n/a	%
<b>Trading deposits</b>	Option model	Price correlation	n/a	n/a	–	93	%
		Quanto correlation	n/a	n/a	n/a	n/a	%
		Dividend yield	–	5	–	2	%
		Equity volatility	99	99	22	114	%
	Swaption model	Currency-specific volatility	55	821	35	484	%
<b>Financial liabilities designated at fair value through profit or loss</b>	Option model	Funding ratio	6	65	3	89	%
<b>Obligations related to securities sold short</b>	Market comparable	Bond Price Equivalent	n/a	n/a	100	100	points
	New issue price	New issue price	n/a	n/a	100	100	%

<sup>1</sup> Not applicable.

<sup>2</sup> Common shares exclude the fair value of Federal Reserve stock and Federal Home Loan Bank stock of \$1.7 billion (October 31, 2021 – \$1.5 billion) which are redeemable by the issuer at cost which approximates fair value. These securities cannot be traded in the market, hence, these securities have not been subjected to the sensitivity analysis.

<sup>3</sup> Net asset value information for private funds has not been disclosed due to the wide range in prices for these instruments.

The following table summarizes the potential effect of using reasonably possible alternative assumptions for financial assets and financial liabilities held, that are classified in Level 3 of the fair value hierarchy as at October 31. For non-trading securities at FVTPL and equity securities at FVOCI, the sensitivity was calculated based on an upward and downward shock of the fair value reported. For trading deposits, the sensitivity was calculated by varying unobservable inputs which may include volatility,

credit spreads, and correlation. For interest rate derivatives, the Bank performed a sensitivity analysis on the unobservable implied volatility. For equity derivatives, the sensitivity was calculated by using reasonably possible alternative assumptions by shocking dividends, correlation, or the price and volatility of the underlying equity instrument. For financial liabilities designated at FVTPL, the sensitivity was calculated based on an upward and downward shock of the funding ratio.

## Sensitivity Analysis of Level 3 Financial Assets and Liabilities

(millions of Canadian dollars)

	October 31, 2022		October 31, 2021	
	Impact to net assets		Impact to net assets	
	Decrease in fair value	Increase in fair value	Decrease in fair value	Increase in fair value
<b>FINANCIAL ASSETS</b>				
<b>Non-trading financial assets at fair value through profit or loss</b>				
Securities	\$ 115	\$ 42	\$ 92	\$ 38
<b>Financial assets at fair value through other comprehensive income</b>				
Equity securities	22	8	16	7
<b>FINANCIAL LIABILITIES</b>				
<b>Trading deposits</b>				
	1	1	–	–
<b>Derivatives</b>				
Interest rate contracts	15	21	12	10
Equity contracts	2	2	2	1
	17	23	14	11
<b>Financial liabilities designated at fair value through profit or loss</b>				
	7	7	9	13
<b>Total</b>	<b>\$ 162</b>	<b>\$ 81</b>	<b>\$ 131</b>	<b>\$ 69</b>

The following table summarizes the aggregate difference yet to be recognized in net income due to the difference between the transaction price and the amount determined using valuation techniques with significant non-observable inputs at initial recognition.

(millions of Canadian dollars)	For the years ended October 31	
	2022	2021
Balance as at beginning of year	\$ 32	\$ 36
New transactions	(13)	47
Recognized in the Consolidated Statement of Income during the year	(10)	(51)
<b>Balance as at end of year</b>	<b>\$ 9</b>	<b>\$ 32</b>

### (h) FINANCIAL INSTRUMENTS DESIGNATED AT FAIR VALUE

#### Securities Designated at Fair Value through Profit or Loss

Certain securities supporting insurance reserves within the Bank's insurance underwriting subsidiaries have been designated at FVTPL to eliminate or significantly reduce an accounting mismatch. The actuarial valuation of the insurance reserve is measured using a discount factor which is based on the yield of the supporting invested assets, which includes the securities designated at FVTPL, with changes in the discount factor being recognized on the Consolidated Statement of Income. The

unrealized gains or losses on securities designated at FVTPL are recognized on the Consolidated Statement of Income in the same period as gains or losses resulting from changes to the discount rate used to value the insurance liabilities.

In addition, certain debt securities have been designated at FVTPL as they are economically hedged with derivatives and the designation eliminates or significantly reduces an accounting mismatch.

#### Financial Liabilities Designated at Fair Value through Profit or Loss

Certain deposits have been designated at FVTPL to reduce an accounting mismatch from related economic hedges, and are included in Financial liabilities designated at FVTPL on the Consolidated Balance Sheet. In addition, certain obligations related to securities sold under repurchase agreements have been designated at FVTPL as the instruments are part of a portfolio that is managed on a fair value basis and have been included in Obligations related to securities sold under repurchase agreements on the Consolidated Balance Sheet. The fair value of obligations related to securities sold under repurchase agreements designated at FVTPL was \$5,014 million as at October 31, 2022 (October 31, 2021 – \$1,491 million).

For financial liabilities designated at FVTPL, the estimated amount that the Bank would be contractually required to pay at maturity, which is based on notional amounts, was \$288 million less than its fair value as at October 31, 2022 (October 31, 2021 – \$9 million).

## NOTE 6 OFFSETTING FINANCIAL ASSETS AND FINANCIAL LIABILITIES

The Bank enters into netting agreements with counterparties (such as clearing houses) to manage the credit risks associated primarily with repurchase and reverse repurchase transactions, securities borrowing and lending transactions, and OTC and exchange-traded derivatives. These netting agreements and similar arrangements generally allow the counterparties to set-off liabilities against available assets received. The right to set-off is a legal right to settle or otherwise eliminate all or a portion of an amount due by applying against that amount an amount receivable from the other party. These agreements effectively reduce the Bank's credit exposure by what it would have been if those same counterparties were liable for the gross exposure on the same underlying contracts.

Netting arrangements are typically constituted by a master netting agreement which specifies the general terms of the agreement between the counterparties, including information on the basis of the netting calculation, types of collateral, and the definition of default and other termination events for transactions executed under the agreement. The master netting agreements contain the terms and conditions by which all

(or as many as possible) relevant transactions between the counterparties are governed. Multiple individual transactions are subsumed under this general master netting agreement, forming a single legal contract under which the counterparties conduct their relevant mutual business. In addition to the mitigation of credit risk, placing individual transactions under a single master netting agreement that provides for netting of transactions in scope also helps to mitigate settlement risks associated with transacting in multiple jurisdictions or across multiple contracts. These arrangements include clearing agreements, global master repurchase agreements, and global master securities lending agreements.

In the normal course of business, the Bank enters into contracts to buy and sell goods and services from various suppliers. Some of these contracts may have netting provisions that allow for the offset of various trade payables and receivables in the event of default of one of the parties. While these are not disclosed in the following table, the gross amount of all payables and receivables to and from the Bank's vendors is disclosed in Note 16 in accounts receivable and other items, and in Note 18 in accounts payable, accrued expenses, and other items.

The Bank also enters into regular way purchases and sales of stocks and bonds. Some of these transactions may have netting provisions that allow for the offset of broker payables and broker receivables related to these purchases and sales. While these are not disclosed in the following table, the amount of receivables are disclosed in amounts receivable from brokers, dealers, and clients, and payables are disclosed in amounts payable to brokers, dealers, and clients.

The following table provides a summary of the financial assets and liabilities which are subject to enforceable master netting agreements and similar arrangements, including amounts not otherwise set-off on

the Consolidated Balance Sheet, as well as financial collateral received to mitigate credit exposures for these financial assets and liabilities. The gross financial assets and liabilities are reconciled to net amounts and are presented within the associated line on the Consolidated Balance Sheet, after transactions with the same counterparties have been offset. Related amounts and collateral received that are not offset on the Consolidated Balance Sheet, but are otherwise subject to the same enforceable netting agreements and similar arrangements, are then presented to arrive at a net amount.

### Offsetting Financial Assets and Financial Liabilities

(millions of Canadian dollars)

	As at					
	October 31, 2022					
	Gross amounts of recognized financial instruments before balance sheet netting	Gross amounts of recognized financial instruments offset in the Consolidated Balance Sheet	Net amount of financial instruments presented in the Consolidated Balance Sheet	Amounts subject to an enforceable master netting agreement	Collateral	Net Amount
<b>Financial Assets</b>						
Derivatives	\$ 121,791	\$ 17,918	\$ 103,873	\$ 60,796	\$ 18,887	\$ 24,190
Securities purchased under reverse repurchase agreements	183,323	23,156	160,167	8,473	149,315	2,379
<b>Total</b>	<b>305,114</b>	<b>41,074</b>	<b>264,040</b>	<b>69,269</b>	<b>168,202</b>	<b>26,569</b>
<b>Financial Liabilities</b>						
Derivatives	109,051	17,918	91,133	60,796	28,374	1,963
Obligations related to securities sold under repurchase agreements	151,180	23,156	128,024	8,473	118,391	1,160
<b>Total</b>	<b>\$ 260,231</b>	<b>\$ 41,074</b>	<b>\$ 219,157</b>	<b>\$ 69,269</b>	<b>\$ 146,765</b>	<b>\$ 3,123</b>
October 31, 2021						
<b>Financial Assets</b>						
Derivatives	\$ 60,692	\$ 6,265	\$ 54,427	\$ 34,239	\$ 9,774	\$ 10,414
Securities purchased under reverse repurchase agreements	191,818	24,534	167,284	10,130	156,505	649
<b>Total</b>	<b>252,510</b>	<b>30,799</b>	<b>221,711</b>	<b>44,369</b>	<b>166,279</b>	<b>11,063</b>
<b>Financial Liabilities</b>						
Derivatives	63,387	6,265	57,122	34,239	21,660	1,223
Obligations related to securities sold under repurchase agreements	168,631	24,534	144,097	10,130	133,626	341
<b>Total</b>	<b>\$ 232,018</b>	<b>\$ 30,799</b>	<b>\$ 201,219</b>	<b>\$ 44,369</b>	<b>\$ 155,286</b>	<b>\$ 1,564</b>

<sup>1</sup> Excess collateral as a result of overcollateralization has not been reflected in the table.

<sup>2</sup> Includes amounts where the contractual set-off rights are subject to uncertainty under the laws of the relevant jurisdiction.

### NOTE 7 SECURITIES

Securities are held by the Bank for both trading and non-trading activities. Trading securities are included in Trading loans, securities, and other on the Consolidated Balance Sheet. Non-trading securities are included in Non-trading financial assets at FVTPL, Financial assets designated at FVTPL, Financial assets at FVOCI, or Debt securities at amortized cost, net of allowance for credit losses on the Consolidated Balance Sheet.

#### (a) REMAINING TERMS TO MATURITIES OF SECURITIES

The remaining terms to contractual maturities of the securities held by the Bank are shown on the following table.

## Securities Maturity Schedule

(millions of Canadian dollars)

	Remaining terms to maturities <sup>1</sup>						October 31 2022	October 31 2021
	Within 1 year	Over 1 year to 3 years	Over 3 years to 5 years	Over 5 years to 10 years	Over 10 years	With no specific maturity	Total	Total
<b>Trading securities</b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 4,849	\$ 1,530	\$ 1,366	\$ 850	\$ 1,067	\$ –	\$ 9,662	\$ 11,196
Provinces	1,366	1,610	1,040	1,511	2,179	–	7,706	8,326
U.S. federal, state, municipal governments, and agencies debt	5,077	7,152	2,326	2,254	6,659	–	23,468	13,241
Other OECD government-guaranteed debt	5,545	970	722	832	272	–	8,341	7,785
Mortgage-backed securities								
Residential	430	699	757	–	–	–	1,886	1,346
Commercial	40	84	57	42	–	–	223	154
	17,307	12,045	6,268	5,489	10,177	–	51,286	42,048
<b>Other debt securities</b>								
Canadian issuers	1,023	1,858	1,376	1,456	891	–	6,604	5,970
Other issuers	3,426	4,666	2,811	1,318	172	–	12,393	12,395
	4,449	6,524	4,187	2,774	1,063	–	18,997	18,365
<b>Equity securities</b>								
Common shares	–	–	–	–	–	44,423	44,423	60,074
Preferred shares	–	–	–	–	–	33	33	50
	–	–	–	–	–	44,456	44,456	60,124
<b>Retained interests</b>								
	–	2	–	3	–	–	5	9
<b>Total trading securities</b>	<b>\$ 21,756</b>	<b>\$ 18,571</b>	<b>\$ 10,455</b>	<b>\$ 8,266</b>	<b>\$ 11,240</b>	<b>\$ 44,456</b>	<b>\$ 114,744</b>	<b>\$ 120,546</b>
<b>Non-trading financial assets at fair value through profit or loss</b>								
<b>Government and government-related securities</b>								
U.S. federal, state, municipal governments, and agencies debt								
	\$ –	\$ 2	\$ 17	\$ –	\$ 268	\$ –	\$ 287	\$ 155
	–	2	17	–	268	–	287	155
<b>Other debt securities</b>								
Canadian issuers	–	20	224	2	–	464	710	638
Asset-backed securities	1	3,501	825	1,261	312	–	5,900	5,615
Other issuers	–	–	–	–	–	35	35	67
	1	3,521	1,049	1,263	312	499	6,645	6,320
<b>Equity securities</b>								
Common shares	–	–	–	–	–	698	698	561
Preferred shares	–	–	–	–	–	51	51	17
	–	–	–	–	–	749	749	578
<b>Total non-trading financial assets at fair value through profit or loss</b>	<b>\$ 1</b>	<b>\$ 3,523</b>	<b>\$ 1,066</b>	<b>\$ 1,263</b>	<b>\$ 580</b>	<b>\$ 1,248</b>	<b>\$ 7,681</b>	<b>\$ 7,053</b>
<b>Financial assets designated at fair value through profit or loss</b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 203	\$ –	\$ –	\$ –	\$ –	\$ –	\$ 203	\$ 247
Provinces	728	101	–	797	10	–	1,636	1,525
U.S. federal, state, municipal governments, and agencies debt	–	–	8	–	–	–	8	22
Other OECD government-guaranteed debt	516	4	55	–	–	–	575	367
	1,447	105	63	797	10	–	2,422	2,161
<b>Other debt securities</b>								
Canadian issuers	386	795	752	332	70	–	2,335	2,318
Other issuers	42	220	20	–	–	–	282	85
	428	1,015	772	332	70	–	2,617	2,403
<b>Total financial assets designated at fair value through profit or loss</b>	<b>\$ 1,875</b>	<b>\$ 1,120</b>	<b>\$ 835</b>	<b>\$ 1,129</b>	<b>\$ 80</b>	<b>\$ –</b>	<b>\$ 5,039</b>	<b>\$ 4,564</b>

<sup>1</sup> Represents contractual maturities. Actual maturities may differ due to prepayment privileges in the applicable contract.

**Securities Maturity Schedule** (continued)

(millions of Canadian dollars)

							October 31 2022	October 31 2021
	Remaining terms to maturities <sup>1</sup>							
	Within 1 year	Over 1 year to 3 years	Over 3 years to 5 years	Over 5 years to 10 years	Over 10 years	With no specific maturity	Total	Total
<b>Securities at fair value through other comprehensive income</b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 1,349	\$ 5,728	\$ 1,147	\$ 7,826	\$ 318	\$ –	\$ 16,368	\$ 12,519
Provinces	1,279	4,077	2,624	11,917	343	–	20,240	18,143
U.S. federal, state, municipal governments, and agencies debt	3,079	2,042	3,074	629	2,735	–	11,559	19,300
Other OECD government-guaranteed debt	268	982	326	106	–	–	1,682	6,564
Mortgage-backed securities	24	–	1,009	–	–	–	1,033	1,254
	5,999	12,829	8,180	20,478	3,396	–	50,882	57,780
<b>Other debt securities</b>								
Asset-backed securities	1,682	91	264	146	2,257	–	4,440	6,981
Corporate and other debt	1,076	2,933	2,228	1,414	1,030	–	8,681	8,104
	2,758	3,024	2,492	1,560	3,287	–	13,121	15,085
<b>Equity securities</b>								
Common shares	–	–	–	–	–	2,221	2,221	4,117
Preferred shares	–	–	–	–	–	1,098	1,098	482
	–	–	–	–	–	3,319	3,319	4,599
<b>Total securities at fair value through other comprehensive income</b>	<b>\$ 8,757</b>	<b>\$ 15,853</b>	<b>\$ 10,672</b>	<b>\$ 22,038</b>	<b>\$ 6,683</b>	<b>\$ 3,319</b>	<b>\$ 67,322</b>	<b>\$ 77,464</b>
<b>Debt securities at amortized cost, net of allowance for credit losses</b>								
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 3,189	\$ 2,503	\$ 11,020	\$ 1,629	\$ 1,412	\$ –	\$ 19,753	\$ 22,593
Provinces	239	2,253	2,373	11,789	–	–	16,654	10,930
U.S. federal, state, municipal governments, and agencies debt	16,155	27,687	23,329	54,114	51,098	–	172,383	135,303
Other OECD government-guaranteed debt	10,423	15,582	16,711	4,856	–	–	47,572	39,733
	30,006	48,025	53,433	72,388	52,510	–	256,362	208,559
<b>Other debt securities</b>								
Asset-backed securities	180	7,174	13,938	9,557	19,044	–	49,893	33,172
Non-agency collateralized mortgage obligation portfolio	–	–	167	108	16,967	–	17,242	16,214
Canadian issuers	45	351	2,689	1,211	–	–	4,296	2,133
Other issuers	1,873	3,319	5,163	4,626	–	–	14,981	8,861
	2,098	10,844	21,957	15,502	36,011	–	86,412	60,380
<b>Total debt securities at amortized cost, net of allowance for credit losses</b>	<b>32,104</b>	<b>58,869</b>	<b>75,390</b>	<b>87,890</b>	<b>88,521</b>	<b>–</b>	<b>342,774</b>	<b>268,939</b>
<b>Total securities</b>	<b>\$ 64,493</b>	<b>\$ 97,936</b>	<b>\$ 98,418</b>	<b>\$ 120,586</b>	<b>\$ 107,104</b>	<b>\$ 49,023</b>	<b>\$ 537,560</b>	<b>\$ 478,566</b>

<sup>1</sup> Represents contractual maturities. Actual maturities may differ due to prepayment privileges in the applicable contract.

**(b) UNREALIZED SECURITIES GAINS (LOSSES)**

The following table summarizes the unrealized gains and losses as at October 31, 2022 and October 31, 2021.

**Unrealized Securities Gains (Losses) for Securities at Fair Value Through Other Comprehensive Income**

	October 31, 2022				October 31, 2021			
	Cost/ amortized cost <sup>1</sup>	Gross unrealized gains	Gross unrealized (losses)	Fair value	Cost/ amortized cost <sup>1</sup>	Gross unrealized gains	Gross unrealized (losses)	Fair value
<b>Government and government-related securities</b>								
Canadian government debt								
Federal	\$ 16,420	\$ 69	\$ (121)	\$ 16,368	\$ 12,428	\$ 98	\$ (7)	\$ 12,519
Provinces	20,279	99	(138)	20,240	17,935	218	(10)	18,143
U.S. federal, state, municipal governments, and agencies debt								
	11,855	22	(318)	11,559	19,232	83	(15)	19,300
Other OECD government-guaranteed debt								
	1,715	1	(34)	1,682	6,551	13	–	6,564
Mortgage-backed securities								
	1,035	1	(3)	1,033	1,251	3	–	1,254
	<b>51,304</b>	<b>192</b>	<b>(614)</b>	<b>50,882</b>	<b>57,397</b>	<b>415</b>	<b>(32)</b>	<b>57,780</b>
<b>Other debt securities</b>								
Asset-backed securities								
	4,511	–	(71)	4,440	6,957	30	(6)	6,981
Corporate and other debt								
	8,820	23	(162)	8,681	8,054	68	(18)	8,104
	<b>13,331</b>	<b>23</b>	<b>(233)</b>	<b>13,121</b>	<b>15,011</b>	<b>98</b>	<b>(24)</b>	<b>15,085</b>
<b>Total debt securities</b>	<b>64,635</b>	<b>215</b>	<b>(847)</b>	<b>64,003</b>	<b>72,408</b>	<b>513</b>	<b>(56)</b>	<b>72,865</b>
<b>Equity securities</b>								
Common shares								
	2,191	63	(33)	2,221	3,887	310	(80)	4,117
Preferred shares								
	1,100	71	(73)	1,098	470	43	(31)	482
	<b>3,291</b>	<b>134</b>	<b>(106)</b>	<b>3,319</b>	<b>4,357</b>	<b>353</b>	<b>(111)</b>	<b>4,599</b>
<b>Total securities at fair value through other comprehensive income</b>	<b>\$ 67,926</b>	<b>\$ 349</b>	<b>\$ (953)</b>	<b>\$ 67,322</b>	<b>\$ 76,765</b>	<b>\$ 866</b>	<b>\$ (167)</b>	<b>\$ 77,464</b>

<sup>1</sup> Includes the foreign exchange translation of amortized cost balances at the period-end spot rate.

**(c) EQUITY SECURITIES DESIGNATED AT FAIR VALUE THROUGH OTHER COMPREHENSIVE INCOME**

The Bank designated certain equity securities at FVOCI. The following table summarizes the fair value and dividend income recognized on equity securities designated at FVOCI as at and for the years ended October 31, 2022 and October 31, 2021.

**Equity Securities Designated at Fair Value Through Other Comprehensive Income**

	As at		For the years ended	
	October 31, 2022	October 31, 2021	October 31, 2022	October 31, 2021
	Fair value		Dividend income recognized	
Common shares	\$ 2,221	\$ 4,117	\$ 171	\$ 143
Preferred shares	1,098	482	42	18
<b>Total</b>	<b>\$ 3,319</b>	<b>\$ 4,599</b>	<b>\$ 213</b>	<b>\$ 161</b>

The Bank disposed of certain equity securities in line with the Bank's investment strategy with a fair value of \$2,345 million during the year ended October 31, 2022 (October 31, 2021 – \$146 million). The Bank realized a cumulative gain of \$224 million during the year ended October 31, 2022 (October 31, 2021 – \$15 million) on disposal of these equity securities and recognized dividend income of \$14 million during the year ended October 31, 2022 (October 31, 2021 – \$2 million).

**(d) DEBT SECURITIES NET REALIZED GAINS (LOSSES)**

The Bank disposed of certain debt securities measured at amortized cost and FVOCI during the year. The following table summarizes the net realized gains and losses on securities disposed of during the years ended October 31, 2022 and October 31, 2021, which are included in Other income (loss) on the Consolidated Statement of Income.

**Debt Securities Net Realized Gains (Losses)**

	For the years ended	
	October 31, 2022	October 31, 2021
Debt securities at amortized cost	\$ 62	\$ (61)
Debt securities at fair value through other comprehensive income	(2)	75
<b>Total</b>	<b>\$ 60</b>	<b>\$ 14</b>

### (e) CREDIT QUALITY OF DEBT SECURITIES

The Bank evaluates non-retail credit risk on an individual borrower basis, using both a BRR and FRR, as detailed in the shaded area of the “Managing Risk” section of the 2022 MD&A. This system is used to assess all non-retail exposures, including debt securities.

The following table provides the gross carrying amounts of debt securities measured at amortized cost and debt securities at FVOCI by internal risk ratings for credit risk management purposes, presenting separately those debt securities that are subject to Stage 1, Stage 2, and Stage 3 allowances. Refer to the “Allowance for Credit Losses” table in Note 8 for details regarding the allowance and provision for credit losses on debt securities.

#### Debt Securities by Risk Ratings

	As at							
	October 31, 2022				October 31, 2021			
	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3	Total
<b>Debt securities<sup>1</sup></b>								
Investment grade	\$ 404,620	\$ –	\$ n/a	\$ 404,620	\$ 339,426	\$ –	\$ n/a	\$ 339,426
Non-investment grade	1,964	155	n/a	2,119	2,235	83	n/a	2,318
Watch and classified	n/a	39	n/a	39	n/a	62	n/a	62
Default	n/a	n/a	–	–	n/a	n/a	–	–
<b>Total debt securities</b>	<b>406,584</b>	<b>194</b>	<b>–</b>	<b>406,778</b>	<b>341,661</b>	<b>145</b>	<b>–</b>	<b>341,806</b>
<b>Allowance for credit losses on debt securities at amortized cost</b>	<b>1</b>	<b>–</b>	<b>–</b>	<b>1</b>	<b>2</b>	<b>–</b>	<b>–</b>	<b>2</b>
<b>Total debt securities, net of allowance</b>	<b>406,583</b>	<b>194</b>	<b>–</b>	<b>406,777</b>	<b>341,659</b>	<b>145</b>	<b>–</b>	<b>341,804</b>

<sup>1</sup> Includes debt securities backed by government-guaranteed loans of \$192 million (October 31, 2021 – \$1 million), which are reported in Non-investment grade or a lower risk rating based on the issuer's credit risk.

As at October 31, 2022, total debt securities, net of allowance, in the table above, include debt securities measured at amortized cost, net of allowance, of \$342,774 million (October 31, 2021 – \$268,939 million), and debt securities measured at FVOCI of \$64,003 million (October 31, 2021 – \$72,865 million).

The difference between probability-weighted ECLs and base ECLs on debt securities at FVOCI and at amortized cost as at both October 31, 2022 and October 31, 2021, was insignificant. Refer to Note 3 for further details.

## NOTE 8 LOANS, IMPAIRED LOANS, AND ALLOWANCE FOR CREDIT LOSSES

### (a) LOANS AND ACCEPTANCES

The following table provides details regarding the Bank's loans and acceptances as at October 31, 2022 and October 31, 2021.

#### Loans and Acceptances

	As at October 31	
	2022	2021
Residential mortgages	\$ 293,924	\$ 268,340
Consumer instalment and other personal	206,152	189,864
Credit card	36,010	30,738
Business and government	301,389	240,070
	<b>837,475</b>	<b>729,012</b>
Customers' liability under acceptances	19,733	18,448
Loans at FVOCI (Note 5)	2,353	1,602
<b>Total loans and acceptances</b>	<b>859,561</b>	<b>749,062</b>
<b>Total allowance for loan losses</b>	<b>6,432</b>	<b>6,390</b>
<b>Total loans and acceptances, net of allowance</b>	<b>853,129</b>	<b>742,672</b>

Business and government loans (including loans at FVOCI) and customers' liability under acceptances are grouped together as reflected below for presentation in the “Loans and Acceptances by Risk Ratings” table.

### Loans and Acceptances – Business and Government

	As at October 31	
	2022	2021
Loans at amortized cost	\$ 301,389	\$ 240,070
Customers' liability under acceptances	19,733	18,448
Loans at FVOCI (Note 5)	2,353	1,602
<b>Loans and acceptances</b>	<b>323,475</b>	<b>260,120</b>
<b>Allowance for loan and acceptances losses</b>	<b>2,739</b>	<b>2,751</b>
<b>Loans and acceptances, net of allowance</b>	<b>320,736</b>	<b>257,369</b>

### (b) CREDIT QUALITY OF LOANS

In the retail portfolio, including individuals and small businesses, the Bank manages exposures on a pooled basis, using predictive credit scoring techniques. For non-retail exposures, each borrower is assigned a BRR that reflects the PD of the borrower using proprietary industry and sector specific risk models and expert judgment. Refer to the shaded areas of the “Managing Risk” section of the 2022 MD&A for further details, including the mapping of PD ranges to risk levels for retail exposures as well as the Bank's 21-point BRR scale to risk levels and external ratings for non-retail exposures.

The following tables provide the gross carrying amounts of loans, acceptances, and credit risk exposures on loan commitments and financial guarantee contracts by internal risk ratings for credit risk management

purposes, presenting separately those that are subject to Stage 1, Stage 2, and Stage 3 allowances.

### Loans and Acceptances by Risk Ratings

(millions of Canadian dollars)

	October 31, 2022				October 31, 2021			
	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3	Total
<b>Residential mortgages<sup>1,2,3</sup></b>								
Low Risk	\$ 208,450	\$ 59	\$ n/a	\$ 208,509	\$ 208,030	\$ 4,113	\$ n/a	\$ 212,143
Normal Risk	67,280	6,767	n/a	74,047	38,922	9,768	n/a	48,690
Medium Risk	418	8,132	n/a	8,550	–	4,405	n/a	4,405
High Risk	10	2,096	350	2,456	–	2,380	266	2,646
Default	n/a	n/a	362	362	n/a	n/a	456	456
<b>Total loans</b>	<b>276,158</b>	<b>17,054</b>	<b>712</b>	<b>293,924</b>	<b>246,952</b>	<b>20,666</b>	<b>722</b>	<b>268,340</b>
<b>Allowance for loan losses</b>	<b>127</b>	<b>140</b>	<b>56</b>	<b>323</b>	<b>35</b>	<b>175</b>	<b>51</b>	<b>261</b>
<b>Loans, net of allowance</b>	<b>276,031</b>	<b>16,914</b>	<b>656</b>	<b>293,601</b>	<b>246,917</b>	<b>20,491</b>	<b>671</b>	<b>268,079</b>
<b>Consumer instalment and other personal<sup>4</sup></b>								
Low Risk	92,653	2,127	n/a	94,780	94,425	1,397	n/a	95,822
Normal Risk	61,508	13,799	n/a	75,307	62,484	1,255	n/a	63,739
Medium Risk	21,990	6,350	n/a	28,340	18,201	3,917	n/a	22,118
High Risk	2,202	4,793	335	7,330	1,073	6,346	379	7,798
Default	n/a	n/a	395	395	n/a	n/a	387	387
<b>Total loans</b>	<b>178,353</b>	<b>27,069</b>	<b>730</b>	<b>206,152</b>	<b>176,183</b>	<b>12,915</b>	<b>766</b>	<b>189,864</b>
<b>Allowance for loan losses</b>	<b>619</b>	<b>850</b>	<b>154</b>	<b>1,623</b>	<b>520</b>	<b>914</b>	<b>139</b>	<b>1,573</b>
<b>Loans, net of allowance</b>	<b>177,734</b>	<b>26,219</b>	<b>576</b>	<b>204,529</b>	<b>175,663</b>	<b>12,001</b>	<b>627</b>	<b>188,291</b>
<b>Credit card</b>								
Low Risk	6,532	11	n/a	6,543	5,467	7	n/a	5,474
Normal Risk	10,760	137	n/a	10,897	10,109	68	n/a	10,177
Medium Risk	10,794	1,184	n/a	11,978	8,909	1,158	n/a	10,067
High Risk	2,590	3,653	265	6,508	476	4,319	149	4,944
Default	n/a	n/a	84	84	n/a	n/a	76	76
<b>Total loans</b>	<b>30,676</b>	<b>4,985</b>	<b>349</b>	<b>36,010</b>	<b>24,961</b>	<b>5,552</b>	<b>225</b>	<b>30,738</b>
<b>Allowance for loan losses</b>	<b>685</b>	<b>855</b>	<b>207</b>	<b>1,747</b>	<b>671</b>	<b>996</b>	<b>138</b>	<b>1,805</b>
<b>Loans, net of allowance</b>	<b>29,991</b>	<b>4,130</b>	<b>142</b>	<b>34,263</b>	<b>24,290</b>	<b>4,556</b>	<b>87</b>	<b>28,933</b>
<b>Business and government<sup>1,2,3,5</sup></b>								
Investment grade or Low/Normal Risk	144,994	596	n/a	145,590	110,129	699	n/a	110,828
Non-investment grade or Medium Risk	156,749	10,057	n/a	166,806	125,638	12,149	n/a	137,787
Watch and classified or High Risk	507	9,745	83	10,335	108	10,547	70	10,725
Default	n/a	n/a	744	744	n/a	n/a	780	780
<b>Total loans and acceptances</b>	<b>302,250</b>	<b>20,398</b>	<b>827</b>	<b>323,475</b>	<b>235,875</b>	<b>23,395</b>	<b>850</b>	<b>260,120</b>
<b>Allowance for loan and acceptances losses</b>	<b>1,091</b>	<b>1,304</b>	<b>344</b>	<b>2,739</b>	<b>1,037</b>	<b>1,407</b>	<b>307</b>	<b>2,751</b>
<b>Loans and acceptances, net of allowance</b>	<b>301,159</b>	<b>19,094</b>	<b>483</b>	<b>320,736</b>	<b>234,838</b>	<b>21,988</b>	<b>543</b>	<b>257,369</b>
<b>Total loans and acceptances<sup>5</sup></b>	<b>787,437</b>	<b>69,506</b>	<b>2,618</b>	<b>859,561</b>	<b>683,971</b>	<b>62,528</b>	<b>2,563</b>	<b>749,062</b>
<b>Total allowance for loan losses<sup>6,7</sup></b>	<b>2,522</b>	<b>3,149</b>	<b>761</b>	<b>6,432</b>	<b>2,263</b>	<b>3,492</b>	<b>635</b>	<b>6,390</b>
<b>Total loans and acceptances, net of allowance<sup>6</sup></b>	<b>\$ 784,915</b>	<b>\$ 66,357</b>	<b>\$ 1,857</b>	<b>\$ 853,129</b>	<b>\$ 681,708</b>	<b>\$ 59,036</b>	<b>\$ 1,928</b>	<b>\$ 742,672</b>

<sup>1</sup> Includes impaired loans with a balance of \$110 million (October 31, 2021 – \$86 million) which did not have a related allowance for loan losses as the realizable value of the collateral exceeded the loan amount.

<sup>2</sup> Excludes trading loans and non-trading loans at FVTPL with a fair value of \$12 billion (October 31, 2021 – \$12 billion) and \$3 billion (October 31, 2021 – \$2 billion), respectively.

<sup>3</sup> Includes insured mortgages of \$77 billion (October 31, 2021 – \$82 billion).

<sup>4</sup> Includes Canadian government-insured real estate personal loans of \$9 billion (October 31, 2021 – \$10 billion).

<sup>5</sup> Includes loans guaranteed by government agencies of \$28 billion (October 31, 2021 – \$26 billion), which are primarily reported in Non-investment grade or a lower risk rating based on the borrowers' credit risk.

<sup>6</sup> Stage 3 includes ACI loans of \$115 million (October 31, 2021 – \$152 million) and a related allowance for loan losses of \$4 million (October 31, 2021 – \$6 million), which have been included in the "Default" risk rating category as they were impaired at acquisition.

<sup>7</sup> Includes allowance for loan losses related to loans that are measured at FVOCI of nil (October 31, 2021 – nil).

**Loans and Acceptances by Risk Ratings (continued) – Off-Balance Sheet Credit Instruments<sup>1</sup>**

(millions of Canadian dollars)

	As at							
	October 31, 2022				October 31, 2021			
	Stage 1	Stage 2	Stage 3	Total	Stage 1	Stage 2	Stage 3	Total
<b>Retail Exposures<sup>2</sup></b>								
Low Risk	\$ 240,203	\$ 1,174	\$ n/a	\$ 241,377	\$ 222,348	\$ 232	\$ n/a	\$ 222,580
Normal Risk	87,113	1,178	n/a	88,291	80,529	501	n/a	81,030
Medium Risk	21,914	1,015	n/a	22,929	13,993	551	n/a	14,544
High Risk	1,272	1,374	–	2,646	890	1,004	–	1,894
Default	n/a	n/a	–	–	n/a	n/a	–	–
<b>Non-Retail Exposures<sup>3</sup></b>								
Investment grade	229,592	–	n/a	229,592	195,293	–	n/a	195,293
Non-investment grade	84,301	3,642	n/a	87,943	80,076	5,329	n/a	85,405
Watch and classified	237	4,265	–	4,502	38	5,097	–	5,135
Default	n/a	n/a	116	116	n/a	n/a	86	86
<b>Total off-balance sheet credit instruments</b>	<b>664,632</b>	<b>12,648</b>	<b>116</b>	<b>677,396</b>	<b>593,167</b>	<b>12,714</b>	<b>86</b>	<b>605,967</b>
<b>Allowance for off-balance sheet credit instruments</b>	<b>433</b>	<b>495</b>	<b>3</b>	<b>931</b>	<b>386</b>	<b>467</b>	<b>3</b>	<b>856</b>
<b>Total off-balance sheet credit instruments, net of allowance</b>	<b>\$ 664,199</b>	<b>\$ 12,153</b>	<b>\$ 113</b>	<b>\$ 676,465</b>	<b>\$ 592,781</b>	<b>\$ 12,247</b>	<b>\$ 83</b>	<b>\$ 605,111</b>

<sup>1</sup> Exclude mortgage commitments.

<sup>2</sup> Includes \$352 billion (October 31, 2021 – \$318 billion) of personal lines of credit and credit card lines, which are unconditionally cancellable at the Bank's discretion at any time.

<sup>3</sup> Includes \$51 billion (October 31, 2021 – \$48 billion) of the undrawn component of uncommitted credit and liquidity facilities.

**(c) IMPAIRED LOANS**

The following table presents information related to the Bank's impaired loans as at October 31, 2022 and October 31, 2021.

**Impaired Loans<sup>1</sup>**

(millions of Canadian dollars)

	As at							
	October 31, 2022				October 31, 2021			
	Unpaid principal balance <sup>2</sup>	Carrying value	Related allowance for credit losses	Average gross impaired loans	Unpaid principal balance <sup>2</sup>	Carrying value	Related allowance for credit losses	Average gross impaired loans
Residential mortgages	\$ 688	\$ 640	\$ 56	\$ 656	\$ 681	\$ 630	\$ 51	\$ 717
Consumer instalment and other personal	736	713	154	733	799	746	139	850
Credit card	349	349	207	277	224	225	138	258
Business and government	849	801	340	775	912	810	301	968
<b>Total</b>	<b>\$ 2,622</b>	<b>\$ 2,503</b>	<b>\$ 757</b>	<b>\$ 2,441</b>	<b>\$ 2,616</b>	<b>\$ 2,411</b>	<b>\$ 629</b>	<b>\$ 2,793</b>

<sup>1</sup> Balances exclude ACI loans.

<sup>2</sup> Represents contractual amount of principal owed.

**(d) ALLOWANCE FOR CREDIT LOSSES**

The following table provides details on the Bank's allowance for credit losses as at and for the years ended October 31, 2022 and October 31, 2021, including allowance for off-balance sheet instruments in the applicable categories.

**Allowance for Credit Losses**

(millions of Canadian dollars)

	Balance at beginning of year	Provision for credit losses	Write-offs, net of recoveries	Foreign exchange, disposals, and other adjustments	Balance at end of year	Balance at beginning of year	Provision for credit losses	Write-offs, net of recoveries	Foreign exchange, disposals, and other adjustments	Balance at end of year
					<i>For the years ended October 31</i>					
	<b>2022</b>					<b>2021</b>				
Residential mortgages	\$ 261	\$ 56	\$ (2)	\$ 8	\$ 323	\$ 302	\$ (26)	\$ (10)	\$ (5)	\$ 261
Consumer instalment and other personal	1,649	549	(553)	59	1,704	2,112	135	(531)	(67)	1,649
Credit card	2,314	582	(684)	140	2,352	3,184	(14)	(708)	(148)	2,314
Business and government	3,022	(114)	(88)	164	2,984	3,779	(320)	(249)	(188)	3,022
<b>Total allowance for loan losses, including off-balance sheet instruments</b>	<b>7,246</b>	<b>1,073</b>	<b>(1,327)</b>	<b>371</b>	<b>7,363</b>	<b>9,377</b>	<b>(225)</b>	<b>(1,498)</b>	<b>(408)</b>	<b>7,246</b>
Debt securities at amortized cost	2	(1)	–	–	1	2	–	–	–	2
Debt securities at FVOCI	7	(5)	–	–	2	5	1	–	1	7
<b>Total allowance for credit losses on debt securities</b>	<b>9</b>	<b>(6)</b>	<b>–</b>	<b>–</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>–</b>	<b>1</b>	<b>9</b>
<b>Total allowance for credit losses</b>	<b>\$ 7,255</b>	<b>\$ 1,067</b>	<b>\$ (1,327)</b>	<b>\$ 371</b>	<b>\$ 7,366</b>	<b>\$ 9,384</b>	<b>\$ (224)</b>	<b>\$ (1,498)</b>	<b>\$ (407)</b>	<b>\$ 7,255</b>
Comprising:										
Allowance for credit losses on loans at amortized cost	\$ 6,390				\$ 6,432	\$ 8,289				\$ 6,390
Allowance for credit losses on loans at FVOCI	–				–	1				–
<b>Allowance for loan losses</b>	<b>6,390</b>				<b>6,432</b>	<b>8,290</b>				<b>6,390</b>
<b>Allowance for off-balance sheet instruments</b>	<b>856</b>				<b>931</b>	<b>1,087</b>				<b>856</b>
<b>Allowance for credit losses on debt securities</b>	<b>9</b>				<b>3</b>	<b>7</b>				<b>9</b>

### (e) ALLOWANCE FOR LOAN LOSSES BY STAGE

The following table provides details on the Bank's allowance for loan losses by stage as at and for the years ended October 31, 2022 and October 31, 2021.

#### Allowance for Loan Losses by Stage

(millions of Canadian dollars)

	For the years ended October 31							
	2022				2021			
	Stage 1	Stage 2	Stage 3 <sup>1</sup>	Total	Stage 1	Stage 2	Stage 3 <sup>1</sup>	Total
<b>Residential Mortgages</b>								
Balance at beginning of period	\$ 35	\$ 175	\$ 51	\$ 261	\$ 32	\$ 205	\$ 65	\$ 302
Provision for credit losses								
Transfer to Stage 1 <sup>2</sup>	109	(106)	(3)	–	126	(123)	(3)	–
Transfer to Stage 2	(23)	34	(11)	–	(38)	56	(18)	–
Transfer to Stage 3	(2)	(15)	17	–	–	(14)	14	–
Net remeasurement due to transfers into stage <sup>3</sup>	(18)	13	1	(4)	(20)	12	–	(8)
New originations or purchases <sup>4</sup>	40	n/a	n/a	40	21	n/a	n/a	21
Net repayments <sup>5</sup>	(4)	(4)	–	(8)	(4)	(4)	–	(8)
Derecognition of financial assets (excluding disposals and write-offs) <sup>6</sup>	(7)	(19)	(28)	(54)	(6)	(35)	(55)	(96)
Changes to risk, parameters, and models <sup>7</sup>	(7)	59	30	82	(74)	83	56	65
Disposals	–	–	–	–	–	–	–	–
Write-offs	–	–	(33)	(33)	–	–	(16)	(16)
Recoveries	–	–	31	31	–	–	6	6
Foreign exchange and other adjustments	4	3	1	8	(2)	(5)	2	(5)
Balance at end of period	\$ 127	\$ 140	\$ 56	\$ 323	\$ 35	\$ 175	\$ 51	\$ 261
<b>Consumer Instalment and Other Personal</b>								
Balance, including off-balance sheet instruments, at beginning of period	\$ 550	\$ 960	\$ 139	\$ 1,649	\$ 595	\$ 1,330	\$ 187	\$ 2,112
Provision for credit losses								
Transfer to Stage 1 <sup>2</sup>	613	(603)	(10)	–	1,154	(1,143)	(11)	–
Transfer to Stage 2	(188)	248	(60)	–	(145)	201	(56)	–
Transfer to Stage 3	(9)	(203)	212	–	(7)	(195)	202	–
Net remeasurement due to transfers into stage <sup>3</sup>	(167)	178	8	19	(332)	157	8	(167)
New originations or purchases <sup>4</sup>	330	n/a	n/a	330	221	n/a	n/a	221
Net repayments <sup>5</sup>	(74)	(78)	(13)	(165)	(96)	(96)	(14)	(206)
Derecognition of financial assets (excluding disposals and write-offs) <sup>6</sup>	(93)	(167)	(52)	(312)	(93)	(159)	(41)	(293)
Changes to risk, parameters, and models <sup>7</sup>	(329)	528	478	677	(727)	901	406	580
Disposals	–	–	–	–	–	–	–	–
Write-offs	–	–	(846)	(846)	–	–	(848)	(848)
Recoveries	–	–	293	293	–	–	317	317
Foreign exchange and other adjustments	21	33	5	59	(20)	(36)	(11)	(67)
Balance, including off-balance sheet instruments, at end of period	654	896	154	1,704	550	960	139	1,649
Less: Allowance for off-balance sheet instruments <sup>8</sup>	35	46	–	81	30	46	–	76
Balance at end of period	\$ 619	\$ 850	\$ 154	\$ 1,623	\$ 520	\$ 914	\$ 139	\$ 1,573
<b>Credit Card<sup>9</sup></b>								
Balance, including off-balance sheet instruments, at beginning of period	\$ 878	\$ 1,298	\$ 138	\$ 2,314	\$ 799	\$ 2,181	\$ 204	\$ 3,184
Provision for credit losses								
Transfer to Stage 1 <sup>2</sup>	1,208	(1,189)	(19)	–	1,509	(1,488)	(21)	–
Transfer to Stage 2	(310)	350	(40)	–	(180)	232	(52)	–
Transfer to Stage 3	(19)	(623)	642	–	(8)	(632)	640	–
Net remeasurement due to transfers into stage <sup>3</sup>	(367)	474	19	126	(478)	277	10	(191)
New originations or purchases <sup>4</sup>	207	n/a	n/a	207	122	n/a	n/a	122
Net repayments <sup>5</sup>	2	4	26	32	(98)	(20)	20	(98)
Derecognition of financial assets (excluding disposals and write-offs) <sup>6</sup>	(56)	(118)	(171)	(345)	(50)	(131)	(219)	(400)
Changes to risk, parameters, and models <sup>7</sup>	(647)	927	282	562	(696)	973	276	553
Disposals	–	–	–	–	–	–	–	–
Write-offs	–	–	(975)	(975)	–	–	(1,011)	(1,011)
Recoveries	–	–	291	291	–	–	303	303
Foreign exchange and other adjustments	58	68	14	140	(42)	(94)	(12)	(148)
Balance, including off-balance sheet instruments, at end of period	954	1,191	207	2,352	878	1,298	138	2,314
Less: Allowance for off-balance sheet instruments <sup>8</sup>	269	336	–	605	207	302	–	509
Balance at end of period	\$ 685	\$ 855	\$ 207	\$ 1,747	\$ 671	\$ 996	\$ 138	\$ 1,805

<sup>1</sup> Includes allowance for loan losses related to ACI loans.

<sup>2</sup> Transfers represent stage transfer movements prior to ECL remeasurement.

<sup>3</sup> Represents the mechanical remeasurement between twelve-month (i.e., Stage 1) and lifetime ECLs (i.e., Stage 2 or 3) due to stage transfers necessitated by credit risk migration, as described in the "Significant Increase in Credit Risk" section of Note 2 and Note 3, holding all other factors impacting the change in ECLs constant.

<sup>4</sup> Represents the increase in the allowance resulting from loans that were newly originated, purchased, or renewed.

<sup>5</sup> Represents the changes in the allowance related to cash flow changes associated with new draws or repayments on loans outstanding.

<sup>6</sup> Represents the decrease in the allowance resulting from loans that were fully repaid and excludes the decrease associated with loans that were disposed or fully written off.

<sup>7</sup> Represents the changes in the allowance related to current period changes in risk (e.g., PD) caused by changes to macroeconomic factors, level of risk, parameters, and/or models, subsequent to stage migration. Refer to the "Measurement of Expected Credit Losses", "Forward-Looking Information" and "Expert Credit Judgment" sections of Note 2 and Note 3 for further details.

<sup>8</sup> The allowance for loan losses for off-balance sheet instruments is recorded in Other liabilities on the Consolidated Balance Sheet.

<sup>9</sup> Credit cards are considered impaired and migrate to Stage 3 when they are 90 days past due and written off at 180 days past due. Refer to Note 2 for further details.

**Allowance for Loan Losses by Stage** (continued)

(millions of Canadian dollars)

For the years ended October 31

	2022				2021			
	Stage 1	Stage 2	Stage 3 <sup>1</sup>	Total	Stage 1	Stage 2	Stage 3 <sup>1</sup>	Total
<b>Business and Government<sup>2</sup></b>								
Balance, including off-balance sheet instruments, as beginning of period	\$ 1,186	\$ 1,526	\$ 310	\$ 3,022	\$ 1,499	\$ 1,858	\$ 422	\$ 3,779
Provision for credit losses								
Transfer to Stage 1 <sup>3</sup>	359	(352)	(7)	–	476	(471)	(5)	–
Transfer to Stage 2	(409)	423	(14)	–	(497)	508	(11)	–
Transfer to Stage 3	(7)	(99)	106	–	(5)	(103)	108	–
Net remeasurement due to transfers into stage <sup>3</sup>	(83)	93	–	10	(117)	122	(2)	3
New originations or purchases <sup>3</sup>	1,098	n/a	n/a	1,098	1,123	n/a	n/a	1,123
Net repayments <sup>3</sup>	20	(33)	(49)	(62)	(24)	(122)	(92)	(238)
Derecognition of financial assets (excluding disposals and write-offs) <sup>3</sup>	(773)	(624)	(386)	(1,783)	(813)	(758)	(358)	(1,929)
Changes to risk, parameters, and models <sup>3</sup>	(250)	394	479	623	(384)	578	527	721
Disposals	–	–	–	–	–	–	(4)	(4)
Write-offs	–	–	(140)	(140)	–	–	(298)	(298)
Recoveries	–	–	52	52	–	–	49	49
Foreign exchange and other adjustments	79	89	(4)	164	(72)	(86)	(26)	(184)
Balance, including off-balance sheet instruments, at end of period	1,220	1,417	347	2,984	1,186	1,526	310	3,022
Less: Allowance for off-balance sheet instruments <sup>4</sup>	129	113	3	245	149	119	3	271
Balance at end of period	1,091	1,304	344	2,739	1,037	1,407	307	2,751
<b>Total Allowance, including off-balance sheet instruments, at end of period</b>	<b>2,955</b>	<b>3,644</b>	<b>764</b>	<b>7,363</b>	<b>2,649</b>	<b>3,959</b>	<b>638</b>	<b>7,246</b>
<b>Less: Total Allowance for off-balance sheet instruments<sup>4</sup></b>	<b>433</b>	<b>495</b>	<b>3</b>	<b>931</b>	<b>386</b>	<b>467</b>	<b>3</b>	<b>856</b>
<b>Total Allowance for Loan Losses at end of period</b>	<b>\$ 2,522</b>	<b>\$ 3,149</b>	<b>\$ 761</b>	<b>\$ 6,432</b>	<b>\$ 2,263</b>	<b>\$ 3,492</b>	<b>\$ 635</b>	<b>\$ 6,390</b>

<sup>1</sup> Includes allowance for loan losses related to ACI loans.

<sup>2</sup> Includes allowance for loan losses related to customers' liability under acceptances.

<sup>3</sup> For explanations regarding this line item, refer to the "Allowance for Loan Losses by Stage" table on the previous page in this Note.

<sup>4</sup> The allowance for loan losses for off-balance sheet instruments is recorded in Other liabilities on the Consolidated Balance Sheet.

The allowance for credit losses on all remaining financial assets is not significant.

**(f) FORWARD-LOOKING INFORMATION**

Relevant macroeconomic factors are incorporated in risk parameters as appropriate. Additional risk factors that are industry or segment specific are also incorporated, where relevant. The key macroeconomic variables used in determining ECLs include regional unemployment rates for all retail exposures and regional housing price indices for residential mortgages and home equity lines of credit. For business and government loans, the key macroeconomic variables include gross domestic product (GDP), unemployment rates, interest rates, and credit spreads. Refer to Note 3 for a discussion of how forward-looking information is generated and considered in determining whether there has been a significant increase in credit risk and in measuring ECLs.

**Macroeconomic Variables**

Select macroeconomic variables are projected over the forecast period. The following table represents the average values of the macroeconomic variables over the four calendar quarters starting with the current quarter, and the remaining 4-year forecast period for the base forecast and upside and downside scenarios used in determining the Bank's ECLs as at October 31, 2022. As the forecast period increases, information about the future becomes less readily available and projections are anchored on assumptions around structural relationships between economic parameters that are inherently much less certain. Ongoing geopolitical tensions, and heightened inflationary pressures, which have led to a rapid tightening in monetary policy continue to contribute to elevated economic uncertainty, leading to deterioration in our economic forecasts.

## Macroeconomic Variables

	As at					
	October 31, 2022					
	Base Forecast		Upside Scenario		Downside Scenario	
	Average Q4 2022-Q3 2023 <sup>1</sup>	Remaining 4-year period <sup>1</sup>	Average Q4 2022-Q3 2023 <sup>1</sup>	Remaining 4-year period <sup>1</sup>	Average Q4 2022-Q3 2023 <sup>1</sup>	Remaining 4-year period <sup>1</sup>
Unemployment rate						
Canada	5.9%	6.2%	5.6%	5.8%	7.5%	6.7%
United States	4.0	4.5	3.7	3.9	5.7	5.1
Real GDP						
Canada	1.3	1.4	2.3	1.4	(1.0)	2.0
United States	0.5	1.5	1.5	1.5	(2.0)	2.1
Home prices						
Canada (average existing price) <sup>2</sup>	(14.1)	4.1	(6.1)	3.0	(30.0)	9.1
United States (CoreLogic HPI) <sup>3</sup>	(2.1)	1.7	4.1	1.8	(17.4)	6.6
Central bank policy interest rate						
Canada	4.00	2.23	4.25	3.92	3.44	1.61
United States	4.00	2.38	4.50	4.17	3.44	1.72
U.S. 10-year treasury yield	3.45	2.77	3.68	3.11	2.72	2.66
U.S. 10-year BBB spread (%-pts)	1.96	1.80	1.82	1.65	2.48	1.77
Exchange rate (U.S. dollar/Canadian dollar)	\$ 0.77	\$ 0.79	\$ 0.79	\$ 0.80	\$ 0.72	\$ 0.76

	As at					
	October 31, 2021					
	Base Forecast		Upside Scenario		Downside Scenario	
	Average Q4 2021-Q3 2022 <sup>1</sup>	Remaining 4-year period <sup>1</sup>	Average Q4 2021-Q3 2022 <sup>1</sup>	Remaining 4-year period <sup>1</sup>	Average Q4 2021-Q3 2022 <sup>1</sup>	Remaining 4-year period <sup>1</sup>
Unemployment rate						
Canada	6.3%	5.7%	6.3%	5.4%	8.0%	7.3%
United States	4.3	3.5	4.3	3.2	5.7	4.8
Real GDP						
Canada	4.0	2.1	5.1	2.1	(0.1)	2.5
United States	4.5	2.1	5.6	2.0	1.3	2.4
Home prices						
Canada (average existing price) <sup>2</sup>	4.7	1.0	6.4	2.0	1.0	(0.4)
United States (CoreLogic HPI) <sup>3</sup>	10.6	3.1	13.5	3.2	7.4	1.9
Central bank policy interest rate						
Canada	0.25	1.52	0.44	1.84	0.25	0.86
United States	0.25	1.67	0.44	2.02	0.25	1.02
U.S. 10-year treasury yield	1.93	2.24	2.14	2.33	1.33	2.06
U.S. 10-year BBB spread (%-pts)	1.45	1.79	1.39	1.71	1.73	1.79
Exchange rate (U.S. dollar/Canadian dollar)	\$ 0.78	\$ 0.79	\$ 0.79	\$ 0.80	\$ 0.76	\$ 0.77

<sup>1</sup> The numbers represent average values for the quoted periods, and average of year-on-year growth for real GDP and home prices.

<sup>2</sup> The average home price is the average transacted sale price of homes sold via the Multiple Listing Service; data is collected by the Canadian Real Estate Association.

<sup>3</sup> The CoreLogic home price index (HPI) is a repeat-sales index which tracks increases and decreases in the same home's sales price over time.

### (g) SENSITIVITY OF ALLOWANCE FOR CREDIT LOSSES

ECLs are sensitive to the inputs used in internally developed models, the macroeconomic variables in the forward-looking forecasts and respective probability weightings in determining the probability-weighted ECLs, and other factors considered when applying expert credit judgment. Changes in these inputs, assumptions, models, and judgments would affect the assessment of significant increase in credit risk and the measurement of ECLs.

The following table presents the base ECL scenario compared to the probability-weighted ECLs, with the latter derived from three ECL scenarios for performing loans and off-balance sheet instruments. The difference reflects the impact of deriving multiple scenarios around the base ECLs and resultant change in ECLs due to non-linearity and sensitivity to using macroeconomic forecasts.

### Change from Base to Probability-Weighted ECLs

(millions of Canadian dollars, except as noted)	As at	
	October 31, 2022	October 31, 2021
Probability-weighted ECLs	<b>\$ 6,599</b>	\$ 6,608
Base ECLs	<b>6,095</b>	6,412
Difference – in amount	<b>\$ 504</b>	\$ 196
Difference – in percentage	<b>8.3%</b>	3.1%

ECLs for performing loans and off-balance sheet instruments consist of an aggregate amount of Stage 1 and Stage 2 probability-weighted ECLs which are twelve-month ECLs and lifetime ECLs, respectively. Transfers from Stage 1 to Stage 2 ECLs result from a significant increase in credit risk since initial recognition of the loan. The following table shows the estimated impact of staging on ECLs by presenting all performing loans and off-balance sheet instruments calculated using twelve-month ECLs compared to the current aggregate probability-weighted ECLs, holding all risk profiles constant.

### Incremental Lifetime ECLs Impact

(millions of Canadian dollars)	As at	
	October 31, 2022	October 31, 2021
Probability-weighted ECLs	\$ 6,599	\$ 6,608
All performing loans and off-balance sheet instruments using 12-month ECLs	4,819	4,903
Incremental lifetime ECLs impact	\$ 1,780	\$ 1,705

### (h) FORECLOSED ASSETS

Foreclosed assets are repossessed non-financial assets where the Bank gains title, ownership, or possession of individual properties, such as real estate properties, which are managed for sale in an orderly manner with

the proceeds used to reduce or repay any outstanding debt. The Bank does not generally occupy foreclosed properties for its business use. The Bank predominantly relies on third-party appraisals to determine the carrying value of foreclosed assets. Foreclosed assets held for sale were \$51 million as at October 31, 2022 (October 31, 2021 – \$53 million), and were recorded in Other assets on the Consolidated Balance Sheet.

### (i) LOANS PAST DUE BUT NOT IMPAIRED

A loan is classified as past due when a borrower has failed to make a payment by the contractual due date. The following table summarizes loans that are past due but not impaired. Loans less than 31 days contractually past due are excluded as they do not generally reflect a borrower's ability to meet their payment obligations.

### Loans Past Due but not Impaired<sup>1</sup>

(millions of Canadian dollars)	October 31, 2022			October 31, 2021		
	31-60 days	61-89 days	Total	31-60 days	61-89 days	Total
Residential mortgages	\$ 230	\$ 69	\$ 299	\$ 229	\$ 62	\$ 291
Consumer instalment and other personal	668	204	872	512	156	668
Credit card	271	172	443	186	113	299
Business and government	654	162	816	785	139	924
<b>Total</b>	<b>\$ 1,823</b>	<b>\$ 607</b>	<b>\$ 2,430</b>	<b>\$ 1,712</b>	<b>\$ 470</b>	<b>\$ 2,182</b>

<sup>1</sup> Includes loans that are measured at FVOCI.

### (j) MODIFIED FINANCIAL ASSETS

The amortized cost of financial assets with lifetime allowance that were modified during the year ended October 31, 2022, was \$296 million (October 31, 2021 – \$489 million) before modification, with insignificant modification gain or loss. The gross carrying amount of modified financial assets for which the loss allowance changed from lifetime to twelve-month ECLs during the year ended October 31, 2022 was \$686 million (October 31, 2021 – \$1.1 billion).

### (k) COLLATERAL

As at October 31, 2022, the collateral held against total gross impaired loans represents 78% (October 31, 2021 – 83%) of total gross impaired loans. The fair value of non-financial collateral is determined at the origination date of the loan. A revaluation of non-financial collateral is performed if there has been a significant change in the terms and conditions of the loan and/or the loan is considered impaired. Management considers the nature of the collateral, seniority ranking of the debt, and loan structure in assessing the value of collateral. These estimated cash flows are reviewed at least annually, or more frequently when new information indicates a change in the timing or amount expected to be received.

## NOTE 9 TRANSFERS OF FINANCIAL ASSETS

### LOAN SECURITIZATIONS

The Bank securitizes loans through structured entity or non-structured entity third parties. Most loan securitizations do not qualify for derecognition since in most circumstances, the Bank continues to be exposed to substantially all of the prepayment, interest rate, and/or credit risk associated with the securitized financial assets and has not transferred substantially all of the risk and rewards of ownership of the securitized assets. Where loans do not qualify for derecognition, they are not derecognized from the Bank's Consolidated Balance Sheet, retained interests are not recognized, and a securitization liability is recognized for the cash proceeds received. Certain transaction costs incurred are also capitalized and amortized using EIRM.

The Bank securitizes insured residential mortgages under the National Housing Act Mortgage-Backed Securities (NHA MBS) program sponsored by the Canada Mortgage and Housing Corporation (CMHC). The MBS that are created through the NHA MBS program are sold to the Canada Housing Trust (CHT) as part of the CMB program, sold to third-party investors, or are held by the Bank. The CHT issues CMB to third-party investors and uses resulting proceeds to purchase NHA MBS from

the Bank and other mortgage issuers in the Canadian market. Assets purchased by the CHT are comingled in a single trust from which CMB are issued. The Bank continues to be exposed to substantially all of the risks 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 coupon paid on the CMB issuance and as such, the sales do not qualify for derecognition.

The Bank securitizes U.S. originated residential mortgages with U.S. government agencies which qualify for derecognition from the Bank's Consolidated Balance Sheet. As part of the securitization, the Bank retains the right to service the transferred mortgage loans. The MBS that are created through the securitization are typically sold to third-party investors.

The Bank also securitizes business and government loans to entities which may be structured entities. These securitizations may give rise to derecognition of the financial assets depending on the individual arrangement of each transaction.

In addition, the Bank transfers credit card receivables to structured entities that the Bank consolidates. Refer to Note 10 for further details.

The following table summarizes the securitized asset types that did not qualify for derecognition, along with their associated securitization liabilities as at October 31, 2022 and October 31, 2021.

#### Financial Assets Not Qualifying for Derecognition Treatment as Part of the Bank's Securitization Programs

(millions of Canadian dollars)	As at			
	October 31, 2022		October 31, 2021	
	Fair value	Carrying amount	Fair value	Carrying amount
<b>Nature of transaction</b>				
Securitization of residential mortgage loans	\$ 22,043	\$ 22,684	\$ 24,428	\$ 24,367
Other financial assets transferred related to securitization <sup>1</sup>	5,199	5,285	4,209	4,207
<b>Total</b>	<b>27,242</b>	<b>27,969</b>	28,637	28,574
<b>Associated liabilities<sup>2</sup></b>	<b>\$ 26,978</b>	<b>\$ 27,684</b>	\$ 28,707	\$ 28,767

<sup>1</sup> Includes asset-backed securities, asset-backed commercial paper (ABCP), cash, repurchase agreements, and Government of Canada securities used to fulfil funding requirements of the Bank's securitization structures after the initial securitization of mortgage loans.

<sup>2</sup> Includes securitization liabilities carried at amortized cost of \$15 billion as at October 31, 2022 (October 31, 2021 – \$15 billion), and securitization liabilities carried at fair value of \$13 billion as at October 31, 2022 (October 31, 2021 – \$14 billion).

#### Other Financial Assets Not Qualifying for Derecognition

The Bank enters into certain transactions where it transfers previously recognized commodities and financial assets, such as debt and equity securities, but retains substantially all of the risks and rewards of those assets. These transferred assets are not derecognized and the transfers are accounted for as financing transactions. The most common transactions of this nature are repurchase agreements and securities lending agreements, in which the Bank retains substantially all of the associated credit, price, interest rate, and foreign exchange risks and rewards associated with the assets.

The following table summarizes the carrying amount of financial assets and the associated transactions that did not qualify for derecognition, as well as their associated financial liabilities as at October 31, 2022 and October 31, 2021.

#### Other Financial Assets Not Qualifying for Derecognition

(millions of Canadian dollars)	As at	
	October 31 2022	October 31 2021
<b>Carrying amount of assets</b>		
<i>Nature of transaction</i>		
Repurchase agreements <sup>1,2</sup>	\$ 26,104	\$ 20,849
Securities lending agreements	45,667	44,234
<b>Total</b>	<b>71,771</b>	65,083
<b>Carrying amount of associated liabilities<sup>2</sup></b>	<b>\$ 26,609</b>	\$ 20,871

<sup>1</sup> Includes \$3.5 billion, as at October 31, 2022 (October 31, 2021 – \$2.0 billion) of assets related to repurchase agreements or swaps that are collateralized by physical precious metals.

<sup>2</sup> Associated liabilities are all related to repurchase agreements.

#### TRANSFERS OF FINANCIAL ASSETS QUALIFYING FOR DERECOGNITION

##### Transferred financial assets that are derecognized in their entirety where the Bank has a continuing involvement

Continuing involvement may arise if the Bank retains any contractual rights or obligations subsequent to the transfer of financial assets. Certain business and government loans securitized by the Bank are derecognized from the Bank's Consolidated Balance Sheet. In instances where the Bank fully derecognizes business and government loans, the Bank may be exposed to the risks of transferred loans through a retained interest.

As at October 31, 2022, the fair value of retained interests was \$5 million (October 31, 2021 – \$9 million). A gain or loss on sale of the loans is recognized immediately in other income (loss) after considering the effect of hedge accounting on the assets sold, if applicable. The amount of the gain or loss recognized depends on the previous carrying values of the loans involved in the transfer, allocated between the assets sold and the retained interests based on their relative fair values at the date of transfer. For the year ended October 31, 2022, the trading income recognized on the retained interest was nil (October 31, 2021 – nil).

Certain portfolios of U.S. residential mortgages originated by the Bank are sold and derecognized from the Bank's Consolidated Balance Sheet. In certain instances, the Bank has a continuing involvement to service those loans. As at October 31, 2022, the carrying value of these servicing rights was \$103 million (October 31, 2021 – \$87 million) and the fair value was \$155 million (October 31, 2021 – \$93 million). A gain or loss on sale of the loans is recognized immediately in other income (loss). The gain (loss) on sale of the loans for the year ended October 31, 2022 was (\$68) million (October 31, 2021 – \$66 million).

#### Canada Emergency Business Account Program

Under the Canada Emergency Business Account (CEBA) Program, which was funded by the Government of Canada and Export Development Canada as the Government of Canada's agent, the Bank provided eligible business banking customers with an interest-free, partially forgivable loan of up to \$60,000. On January 12, 2022, it was announced that the repayment deadline for CEBA loans to qualify for partial loan forgiveness was extended from December 31, 2022 to December 31, 2023, for all eligible borrowers in good standing. If the loan is not repaid by December 31, 2023, it will be extended for an additional 2-year term bearing an interest rate of 5% per annum. The application window for new CEBA loans and expansion requests closed on June 30, 2021. The funding provided to the Bank by the Government of Canada in respect of the CEBA Program represents an obligation to pass-through collections on the CEBA loans and is otherwise non-recourse to the Bank. Accordingly, the Bank is required to remit all collections of principal and interest on the CEBA loans to the Government of Canada but is not required to repay amounts that its customers fail to pay or that have been forgiven. The Bank receives an administration fee to recover the costs to administer the program for the Government of Canada. Loans issued under the program are not recognized on the Bank's Consolidated Balance Sheet, as the Bank transfers substantially all risks and rewards in respect of the loans to the Government of Canada.

The Bank uses structured entities for a variety of purposes including: (1) to facilitate the transfer of specified risks to clients; (2) as financing vehicles for itself or for clients; or (3) to segregate assets on behalf of investors. The Bank is typically restricted from accessing the assets of the structured entity under the relevant arrangements.

The Bank is involved with structured entities that it sponsors, as well as entities sponsored by third parties. Factors assessed when determining if the Bank is the sponsor of a structured entity include whether the Bank is the predominant user of the entity; whether the entity's branding or marketing identity is linked with the Bank; and whether the Bank provides an implicit or explicit guarantee of the entity's performance to investors or other third parties. The Bank is not considered to be the sponsor of a structured entity if it only provides arm's-length services to the entity, for example, by acting as administrator, distributor, custodian, asset manager, or loan servicer. Sponsorship of a structured entity may indicate that the Bank had power over the entity at inception; however, this is not sufficient to determine if the Bank consolidates the entity. Regardless of whether or not the Bank sponsors an entity, consolidation is determined on a case-by-case basis.

#### (a) SPONSORED STRUCTURED ENTITIES

The following section outlines the Bank's involvement with key sponsored structured entities.

##### **Securitizations**

The Bank securitizes its own assets and facilitates the securitization of client assets through structured entities, such as conduits, which issue ABCP or other securitization entities which issue longer-dated term securities. Securitizations are an important source of liquidity for the Bank, allowing it to diversify its funding sources and to optimize its balance sheet management approach.

The Bank sponsors both single-seller and multi-seller securitization conduits. Depending on the specifics of the entity, the variable returns absorbed through ABCP may be significantly mitigated by variable returns retained by the sellers. The Bank provides liquidity facilities to certain conduits for the benefit of ABCP investors which are structured as loan facilities between the Bank, as the sole liquidity lender, and the Bank-sponsored entity. If an entity experiences difficulty issuing ABCP due to illiquidity in the commercial market, the entity may draw on the loan facility, and use the proceeds to pay maturing ABCP. The ABCP issued by each multi-seller conduit is in the conduit's own name with recourse to the financial assets owned by the multi-seller conduit, and is non-recourse to the Bank except through our participation in liquidity facilities. The Bank's exposure to the variable returns of these conduits from its provision of liquidity facilities and any related commitments is mitigated by the sellers' continued exposure to variable returns, as described below. The Bank provides administration and securities distribution services to its sponsored securitization conduits, which may result in it holding an investment in the ABCP issued by these entities. In some cases, the Bank may also provide credit enhancements or may transact derivatives with securitization conduits. The Bank earns fees from the conduits which are recognized when earned.

The Bank sells assets to single-seller conduits which it controls and consolidates. Control results from the Bank's power over the entity's key economic decisions, predominantly, the mix of assets sold into the conduit and exposure to the variable returns of the transferred assets, usually through a derivative or the provision of credit mitigation in the form of cash reserves, over-collateralization, or guarantees over the performance of the entity's portfolio of assets.

Multi-seller conduits provide sellers with alternate sources of financing through the securitization of their assets. These conduits are similar to single-seller conduits except that financial assets are purchased from more than one seller and commingled into a single portfolio of assets.

Each transaction is structured with transaction-specific first loss protection provided by the third-party seller. This enhancement can take various forms, including but not limited to overcollateralization, excess spread, subordinated classes of financial assets, guarantees or letters of credit. The Bank is typically deemed to have power over the entity's key economic decisions, namely, the selection of sellers and related assets sold as well as other decisions related to the management of risk in the vehicle. The Bank's exposure to the variable returns of multi-seller conduits from its provision of liquidity facilities and any related commitments is mitigated by the sellers' continued exposure to variable returns from the entity. Where the Bank has power over multi-seller conduits, but is not exposed to significant variable returns it does not consolidate such entities. Where the Bank is exposed to variable returns of a multi-seller conduit from provision of liquidity facilities, together with power over the entity as well as the ability to use its power to influence significant variable returns, the Bank consolidates the conduit.

##### **Investment Funds and Other Asset Management Entities**

As part of its asset management business, the Bank creates investment funds and trusts (including mutual funds), enabling it to provide its clients with a broad range of diversified exposure to different risk profiles, in accordance with the client's risk appetite. Such entities may be actively managed or may be passively directed, for example, through the tracking of a specified index, depending on the entity's investment strategy. Financing for these entities is obtained through the issuance of securities to investors, typically in the form of fund units. Based on each entity's specific strategy and risk profile, the proceeds from this issuance are used by the entity to purchase a portfolio of assets. An entity's portfolio may contain investments in securities, derivatives, or other assets, including cash. At the inception of a new investment fund or trust, the Bank will typically invest an amount of seed capital in the entity, allowing it to establish a performance history in the market. Over time, the Bank sells its seed capital holdings to third-party investors, as the entity's AUM increases. As a result, the Bank's holding of seed capital investment in its own sponsored investment funds and trusts is typically not significant to the Consolidated Financial Statements. Aside from any seed capital investments, the Bank's interest in these entities is generally limited to fees earned for the provision of asset management services. The Bank does not typically provide guarantees over the performance of these funds.

The Bank is typically considered to have power over the key economic decisions of sponsored asset management entities; however, it does not consolidate an entity unless it is also exposed to significant variable returns of the entity. This determination is made on a case-by-case basis, in accordance with the Bank's consolidation policy.

##### **Financing Vehicles**

The Bank may use structured entities to provide a cost-effective means of financing its operations, including raising capital or obtaining funding. These structured entities include TD Covered Bond (Legislative) Guarantor Limited Partnership (the "Covered Bond Entity"). Previously, these structured entities also included TD Capital Trust IV ("Trust IV").

Trust IV issued innovative capital securities which counted as Tier 1 Capital of the Bank. The proceeds from these issuances were invested in bank deposit notes which generated income for distribution to investors. Trust IV held assets which were only exposed to the Bank's own credit risk. The Bank was considered to have decision-making power over the key economic activities of Trust IV; however, the Bank did not consolidate the trust because it did not absorb significant variable returns of the trust as it was ultimately exposed only to its own credit risk. On November 1, 2021, Trust IV redeemed all of the outstanding \$450 million TD Capital Trust IV Notes – Series 2. On December 8, 2021, Trust IV was dissolved. Refer to Note 20 for further details.

The Bank issues, or has issued, debt under its covered bond program where the principal and interest payments of the notes are guaranteed by the Covered Bond Entity. The Bank sold a portfolio of assets to the Covered Bond Entity and provided a loan to the Covered Bond Entity to facilitate the purchase. The Bank is restricted from accessing the Covered Bond Entity's assets under the relevant agreement. Investors in the Bank's covered bonds may have recourse to the Bank should the assets of the Covered Bond Entity be insufficient to satisfy the covered bond liabilities. The Bank consolidates the Covered Bond Entity as it has power over the key economic activities and retains all the variable returns in this entity.

#### **(b) THIRD-PARTY SPONSORED STRUCTURED ENTITIES**

In addition to structured entities sponsored by the Bank, the Bank is also involved with structured entities sponsored by third parties. Key involvement with third-party sponsored structured entities is described in the following section.

##### ***Third-party Sponsored Securitization Programs***

The Bank participates in the securitization program of government-sponsored structured entities, including the CMHC, a Crown corporation of the Government of Canada, and similar U.S. government-sponsored entities. The CMHC guarantees CMB issued through the CHT.

The Bank is exposed to the variable returns in the CHT, through its retention of seller swaps resulting from its participation in the CHT program. The Bank does not have power over the CHT as its key economic activities are controlled by the Government of Canada. The Bank's exposure to the CHT is included in the balance of residential mortgage loans as noted in Note 9, and is not disclosed in the table accompanying this Note.

The Bank participates in the securitization programs sponsored by U.S. government agencies. The Bank is not exposed to significant variable returns from these agencies and does not have power over the key economic activities of these agencies, which are controlled by the U.S. government.

##### ***Investment Holdings and Derivatives***

The Bank may hold interests in third-party structured entities, predominantly in the form of direct investments in securities or partnership interests issued by those structured entities, or through derivatives transacted with counterparties which are structured entities. Investments in, and derivatives with, structured entities are recognized on the Bank's Consolidated Balance Sheet. The Bank does not typically consolidate third-party structured entities where its involvement is limited to investment holdings and/or derivatives as the Bank would not generally have power over the key economic decisions of these entities.

##### ***Financing Transactions***

In the normal course of business, the Bank may enter into financing transactions with third-party structured entities including commercial loans, reverse repurchase agreements, prime brokerage margin lending, and similar collateralized lending transactions. While such transactions expose the Bank to the structured entities' counterparty credit risk, this exposure is mitigated by the collateral related to these transactions. The Bank typically has neither power nor significant variable returns due to financing transactions with structured entities and would not generally consolidate such entities. Financing transactions with third-party sponsored structured entities are included on the Bank's Consolidated Financial Statements and have not been included in the table accompanying this Note.

##### ***Arm's-length Servicing Relationships***

In addition to the involvement outlined above, the Bank may also provide services to structured entities on an arm's-length basis, for example as sub-advisor to an investment fund or asset servicer. Similarly, the Bank's asset management services provided to institutional investors may include transactions with structured entities. As a consequence of providing these services, the Bank may be exposed to variable returns from these structured entities, for example, through the receipt of fees or short-term exposure to the structured entity's securities. Any such exposure is typically mitigated by collateral or some other contractual arrangement with the structured entity or its sponsor. The Bank generally has neither power nor significant variable returns from the provision of arm's-length services to a structured entity and, consequently does not consolidate such entities. Fees and other exposures through servicing relationships are included on the Bank's Consolidated Financial Statements and have not been included in the table accompanying this Note.

#### **(c) INVOLVEMENT WITH CONSOLIDATED STRUCTURED ENTITIES** ***Securitized***

The Bank securitizes credit card receivables through securitization entities, predominantly single-seller conduits. These conduits are consolidated by the Bank based on the factors described above. Aside from the exposure resulting from its involvement as seller and sponsor of consolidated securitization conduits described above, including the liquidity facilities provided, the Bank has no contractual or non-contractual arrangements to provide financial support to consolidated securitization conduits. The Bank's interests in securitization conduits generally rank senior to interests held by other parties, in accordance with the Bank's investment and risk policies. As a result, the Bank has no significant obligations to absorb losses before other holders of securitization issuances.

##### ***Other Structured Consolidated Structured Entities***

Depending on the specific facts and circumstances of the Bank's involvement with structured entities, the Bank may consolidate asset management entities, financing vehicles, or third-party sponsored structured entities, based on the factors described above. Aside from its exposure resulting from its involvement as sponsor or investor in the structured entities as previously discussed, the Bank does not typically have other contractual or non-contractual arrangements to provide financial support to these consolidated structured entities.

#### **(d) INVOLVEMENT WITH UNCONSOLIDATED STRUCTURED ENTITIES**

The following table presents information related to the Bank's unconsolidated structured entities. Unconsolidated structured entities include both TD and third-party sponsored entities. Securitizations include holdings in TD-sponsored multi-seller conduits, as well as third-party sponsored mortgage and asset-backed securitizations, including government-sponsored agency securities such as CMBs, and U.S. government agency issuances. Investment Funds and Trusts include holdings in third-party funds and trusts, as well as holdings in TD-sponsored asset management funds and trusts and commitments to certain U.S. municipal funds. Amounts in Other are predominantly related to investments in community-based U.S. tax-advantage entities described in Note 12. These holdings do not result in the consolidation of these entities as TD does not have power over these entities.

## Carrying Amount and Maximum Exposure to Unconsolidated Structured Entities

(millions of Canadian dollars)

	October 31, 2022				October 31, 2021			
	Securizations	Investment funds and trusts	Other	Total	Securizations	Investment funds and trusts	Other	Total
<b>FINANCIAL ASSETS</b>								
Trading loans, securities, and other	\$ 10,046	\$ 976	\$ –	\$ 11,022	\$ 10,060	\$ 1,083	\$ –	\$ 11,143
Non-trading financial assets at fair value through profit or loss	6,167	806	51	7,024	5,770	665	64	6,499
Derivatives <sup>1</sup>	–	608	–	608	–	95	–	95
Financial assets designated at fair value through profit or loss	–	18	–	18	–	6	–	6
Financial assets at fair value through other comprehensive income	23,795	3,667	–	27,462	23,446	2,247	3	25,696
Debt securities at amortized cost, net of allowance for credit losses	155,178	568	–	155,746	117,246	424	–	117,670
Loans	4,550	4	–	4,554	2,399	4	–	2,403
Other	5	–	3,488	3,493	4	–	3,021	3,025
<b>Total assets</b>	<b>199,741</b>	<b>6,647</b>	<b>3,539</b>	<b>209,927</b>	<b>158,925</b>	<b>4,524</b>	<b>3,088</b>	<b>166,537</b>
<b>FINANCIAL LIABILITIES</b>								
Derivatives <sup>1</sup>	–	270	–	270	–	513	–	513
Obligations related to securities sold short	2,172	332	–	2,504	2,199	365	–	2,564
<b>Total liabilities</b>	<b>2,172</b>	<b>602</b>	<b>–</b>	<b>2,774</b>	<b>2,199</b>	<b>878</b>	<b>–</b>	<b>3,077</b>
Off-balance sheet exposure <sup>2</sup>	16,083	4,983	1,972	23,038	13,372	5,962	1,299	20,633
Maximum exposure to loss from involvement with unconsolidated structured entities	\$ 213,652	\$ 11,028	\$ 5,511	\$ 230,191	\$ 170,098	\$ 9,608	\$ 4,387	\$ 184,093
Size of sponsored unconsolidated structured entities <sup>3</sup>	\$ 11,515	\$ 33,800	\$ –	\$ 45,315	\$ 10,266	\$ 42,834	\$ 450	\$ 53,550

<sup>1</sup> Derivatives primarily subject to vanilla interest rate or foreign exchange risk are not included in these amounts as those derivatives are designed to align the structured entity's cash flows with risks absorbed by investors and are not predominantly designed to expose the Bank to variable returns created by the entity.

<sup>2</sup> For the purposes of this disclosure, off-balance sheet exposure represents the notional value of liquidity facilities, guarantees, or other off-balance sheet commitments without considering the effect of collateral or other credit enhancements.

<sup>3</sup> The size of sponsored unconsolidated structured entities is provided based on the most appropriate measure of size for the type of entity: (1) The par value of notes issued by securitization conduits and similar liability issuers; (2) the total AUM of investment funds and trusts; and (3) the total fair value of partnership or equity shares in issue for partnerships and similar equity issuers.

### Sponsored Unconsolidated Structured Entities in which the Bank has no Significant Investment at the End of the Period

Sponsored unconsolidated structured entities in which the Bank has no significant investment at the end of the period are predominantly investment funds and trusts created for the asset management business. The Bank would not typically hold investments, with the exception of seed capital, in these structured entities. However, the Bank continues to earn fees from asset management services provided to these entities, some of which could be based on the performance of the fund. Fees payable are generally senior in the entity's priority of payment and would also be backed by collateral, limiting the Bank's exposure to loss from

these entities. The Bank earned non-interest income of \$2.3 billion (October 31, 2021 – \$2.3 billion) from its involvement with these asset management entities for the year ended October 31, 2022, of which \$2.0 billion (October 31, 2021 – \$2.0 billion) was received directly from these entities. The total AUM in these entities as at October 31, 2022 was \$251.7 billion (October 31, 2021 – \$286.8 billion). Any assets transferred by the Bank during the period are commingled with assets obtained from third parties in the market. Except as previously disclosed, the Bank has no contractual or non-contractual arrangements to provide financial support to unconsolidated structured entities.

## NOTE 11 DERIVATIVES

### (a) DERIVATIVE PRODUCT TYPES AND RISK EXPOSURES

The majority of the Bank's derivative contracts are OTC transactions that are bilaterally negotiated between the Bank and the counterparty to the contract. The remainder are exchange-traded contracts transacted through organized and regulated exchanges and consist primarily of options and futures.

The Bank's derivative transactions relate to trading and non-trading activities. The purpose of derivatives held for non-trading activities is primarily for managing interest rate, foreign exchange, and equity risk related to the Bank's funding, lending, investment, and other structural market risk management activities. The Bank's risk management strategy

for these risks is discussed in shaded sections of the "Managing Risk" section of the MD&A.

Where hedge accounting is applied, only specific or a combination of risk components are hedged, including benchmark interest rate, foreign exchange rate, and equity price components. All these risk components are observable in the relevant market environment and the change in the fair value or the variability in cash flows attributable to these risk components can be reliably measured for hedged items. The Bank also enters into derivative transactions to economically hedge certain exposures that do not otherwise qualify for hedge accounting, or where hedge accounting is not considered feasible.

Where the derivatives are in hedge relationships, the main sources of ineffectiveness can be attributed to differences between hedging instruments and hedged items:

- Differences in fixed rates, when contractual coupons of the fixed rate hedged items are designated;
- Differences in the discounting factors, when hedging derivatives are collateralized;
- CVA on the hedging derivatives; and
- Mismatch in critical terms such as tenor and timing of cash flows between hedging instruments and hedged items.

To mitigate a portion of the ineffectiveness, the Bank designates the benchmark risk component of contractual cash flows of hedged items and executes hedging derivatives with high-quality counterparties. The majority of the Bank's hedging derivatives are collateralized.

### **Interest Rate Derivatives**

Interest rate swaps are OTC contracts in which two counterparties agree to exchange cash flows over a period of time based on rates applied to a specified notional amount. This includes interest rate swaps that are transacted and settled through a clearing house which acts as a central counterparty. A typical interest rate swap would require one counterparty to pay a fixed market interest rate in exchange for a variable market interest rate determined from time to time, with both calculated on a specified notional amount. No exchange of principal amount takes place.

Forward rate agreements are OTC contracts that effectively fix a future interest rate for a period of time. A typical forward rate agreement provides that at a pre-determined future date, a cash settlement will be made between the counterparties based upon the difference between a contracted rate and a market rate to be determined in the future, calculated on a specified notional amount. No exchange of principal amount takes place.

Interest rate options are contracts in which one party (the purchaser of an option) acquires from another party (the writer of an option), in exchange for a premium, the right, but not the obligation, either to buy or sell, on a specified future date or series of future dates or within a specified time, a specified financial instrument at a contracted price. The underlying financial instrument will have a market price which varies in response to changes in interest rates. In managing the Bank's interest rate exposure, the Bank acts as both a writer and purchaser of these options. Options are transacted both OTC and through exchanges.

Interest rate futures are standardized contracts transacted on an exchange, with interest bearing instruments as the underlying reference assets. These contracts differ from forward rate agreements in that they are in standard amounts with standard settlement dates and are transacted on an exchange.

The Bank uses interest rate swaps to hedge its exposure to benchmark interest rate risk by modifying the repricing or maturity characteristics of existing and/or forecast assets and liabilities, including funding and investment activities. These swaps are designated in either fair value hedges against fixed rate assets/liabilities or cash flow hedges against floating rate assets/liabilities. For fair value hedges, the Bank assesses and measures the hedge effectiveness based on the change in the fair value or cash flows of the derivative hedging instrument relative to the change in the fair value or cash flows of the hedged item. For cash flow hedges, the Bank uses a hypothetical derivative having terms that identically match the critical terms of the hedged item as the proxy for measuring the change in fair value or cash flows of the hedged item.

### **Foreign Exchange Derivatives**

Foreign exchange forwards are OTC contracts in which one counterparty contracts with another to exchange a specified amount of one currency for a specified amount of a second currency, at a future date or range of dates.

Swap contracts comprise foreign exchange swaps and cross-currency interest rate swaps. Foreign exchange swaps are transactions in which a foreign currency is simultaneously purchased in the spot market and sold

in the forward market, or vice-versa. Cross-currency interest rate swaps are transactions in which counterparties exchange principal and interest cash flows in different currencies over a period of time. These contracts are used to manage currency and/or interest rate exposures.

Foreign exchange futures contracts are similar to foreign exchange forward contracts but differ in that they are in standard currency amounts with standard settlement dates and are transacted on an exchange.

The Bank uses non-derivative instruments such as foreign currency deposit liabilities and derivative instruments such as cross-currency swaps and foreign exchange forwards to hedge its foreign currency exposure. These hedging instruments are designated in either net investment hedges or cash flow hedges. For net investment hedges, the Bank assesses and measures the hedge effectiveness based on the change in the fair value of the hedging instrument relative to the translation gains and losses on the net investment in the foreign operation. For cash flow hedges, the Bank assesses and measures the hedge effectiveness based on the change in the fair value of the hedging instrument relative to the change in the cash flows of the foreign currency denominated asset/liability attributable to foreign exchange risk, using the hypothetical derivative method.

### **Credit Derivatives**

The Bank uses credit derivatives such as credit default swaps (CDS) and total return swaps to manage risks in the Bank's corporate loan portfolio and other cash instruments, as well as managing counterparty credit risk on derivatives. Credit risk is the risk of loss if a borrower or counterparty in a transaction fails to meet its agreed payment obligations. The Bank uses credit derivatives to mitigate industry concentration and borrower-specific exposure as part of the Bank's portfolio risk management techniques. The credit, legal, and other risks associated with these transactions are controlled through well established procedures. The Bank's policy is to enter into these transactions with investment grade financial institutions. Credit risk to these counterparties is managed through the same approval, limit, and monitoring processes that is used for all counterparties to which the Bank has credit exposure.

Credit derivatives are OTC contracts designed to transfer the credit risk in an underlying financial instrument (usually termed as a reference asset) from one counterparty to another. The most common credit derivatives are CDS, which include contracts transacted through clearing houses, and total return swaps. In CDS contracts, the CDS purchaser acquires credit protection on a reference asset or group of assets from a writer of CDS in exchange for a premium. The purchaser may pay the agreed premium at inception or over a period of time. The credit protection compensates the purchaser for deterioration in value of the reference asset or group of assets upon the occurrence of certain credit events such as bankruptcy, or changes in specified credit rating or credit index. Settlement may be cash based or physical, requiring the delivery of the reference asset to the CDS writer. In total return swap contracts, one counterparty agrees to pay or receive from the other cash amounts based on changes in the value of a reference asset or group of assets, including any returns such as interest earned on these assets in exchange for amounts that are based on prevailing market funding rates. These cash settlements are made regardless of whether there is a credit event.

### **Other Derivatives**

The Bank also transacts in equity and commodity derivatives in both exchange and OTC markets.

Equity swaps are OTC contracts in which one counterparty agrees to pay, or receive from the other, cash amounts based on changes in the value of a stock index, a basket of stocks or a single stock. These contracts sometimes include a payment in respect of dividends.

Equity options give the purchaser of the option, for a premium, the right, but not the obligation, to buy from or sell to the writer of an option, an underlying stock index, basket of stocks or a single stock at a contracted price. Options are transacted both OTC and through exchanges.

Equity index futures are standardized contracts transacted on an exchange. They are based on an agreement to pay or receive a cash amount based on the difference between the contracted price level of an underlying stock index and its corresponding market price level at a specified future date. There is no actual delivery of stocks that comprise the underlying index. These contracts are in standard amounts with standard settlement dates.

Equity forwards are OTC contracts in which one counterparty contracts with another to buy or sell a single stock or stock index, or to settle the contract in cash based on changes in the value of a reference asset, at a future date.

Commodity contracts include commodity forwards, futures, swaps, and options, such as precious metals and energy-related products in both OTC and exchange markets.

The Bank applies hedge accounting on certain equity forwards and/or total return swaps to hedge exposure to equity price risk. These derivatives are designated as cash flow hedges. The Bank assesses and measures the hedge effectiveness based on the change in the fair value of the hedging instrument relative to the change in the cash flows of the hedged item attributable to movement in equity price, using the hypothetical derivative method.

## Fair Value of Derivatives

(millions of Canadian dollars)

	October 31, 2022		October 31, 2021	
	Fair value as at balance sheet date		Fair value as at balance sheet date	
	Positive	Negative	Positive	Negative
<b>Derivatives held or issued for trading purposes</b>				
Interest rate contracts <sup>1</sup>				
Forward rate agreements	\$ 359	\$ 57	\$ 37	\$ 68
Swaps	17,535	11,200	7,430	9,450
Options written	–	1,941	–	698
Options purchased	1,840	–	774	–
Total interest rate contracts	19,734	13,198	8,241	10,216
Foreign exchange contracts <sup>1</sup>				
Forward contracts	1,455	3,625	9	1,849
Swaps	32,931	28,794	16,638	14,947
Cross-currency interest rate swaps	30,242	25,841	16,279	15,061
Options written	–	610	–	238
Options purchased	531	–	172	–
Total foreign exchange contracts	65,159	58,870	33,098	32,095
Credit derivative contracts				
Credit default swaps – protection purchased	8	66	1	207
Credit default swaps – protection sold	45	7	67	–
Total credit derivative contracts	53	73	68	207
Other contracts				
Equity contracts	3,140	4,702	3,752	6,223
Commodity contracts	3,599	3,439	2,891	1,904
Total other contracts	6,739	8,141	6,643	8,127
<b>Fair value – trading</b>	<b>91,685</b>	<b>80,282</b>	<b>48,050</b>	<b>50,645</b>
<b>Derivatives held or issued for non-trading purposes</b>				
Interest rate contracts				
Forward rate agreements	4	–	2	1
Swaps	4,126	6,080	2,000	1,465
Options written	–	–	1	1
Options purchased	2	–	38	–
Total interest rate contracts	4,132	6,080	2,041	1,467
Foreign exchange contracts				
Forward contracts	2,559	202	1,475	267
Swaps	16	10	5	1
Cross-currency interest rate swaps	4,315	3,320	1,238	2,812
Total foreign exchange contracts	6,890	3,532	2,718	3,080
Credit derivative contracts				
Credit default swaps – protection purchased	3	78	2	138
Total credit derivative contracts	3	78	2	138
Other contracts				
Equity contracts	1,163	1,161	1,616	1,792
Total other contracts	1,163	1,161	1,616	1,792
<b>Fair value – non-trading</b>	<b>12,188</b>	<b>10,851</b>	<b>6,377</b>	<b>6,477</b>
<b>Total fair value</b>	<b>\$ 103,873</b>	<b>\$ 91,133</b>	<b>\$ 54,427</b>	<b>\$ 57,122</b>

<sup>1</sup> The fair values of interest rate futures and foreign exchange futures are immaterial and therefore excluded from this table.

The following table distinguishes derivatives held or issued for non-trading purposes between those that have been designated in qualifying hedge accounting relationships and those which have not been designated in qualifying hedge accounting relationships as at October 31, 2022 and October 31, 2021.

#### Fair Value of Non-Trading Derivatives<sup>1</sup>

(millions of Canadian dollars)

As at

	October 31, 2022									
	Derivative Assets					Derivative Liabilities				
	Derivatives in qualifying hedging relationships			Derivatives not in qualifying hedging relationships	Total	Derivatives in qualifying hedging relationships			Derivatives not in qualifying hedging relationships	Total
	Fair value	Cash flow	Net investment			Fair value	Cash flow	Net investment		
<b>Derivatives held or issued for non-trading purposes</b>										
Interest rate contracts	\$ 1,676	\$ (95)	\$ –	\$ 2,551	\$ 4,132	\$ 1,092	\$ 2,572	\$ –	\$ 2,416	\$ 6,080
Foreign exchange contracts	–	6,310	–	580	6,890	–	3,482	–	50	3,532
Credit derivative contracts	–	–	–	3	3	–	–	–	78	78
Other contracts	–	702	–	461	1,163	–	44	–	1,117	1,161
<b>Fair value – non-trading</b>	<b>\$ 1,676</b>	<b>\$ 6,917</b>	<b>\$ –</b>	<b>\$ 3,595</b>	<b>\$ 12,188</b>	<b>\$ 1,092</b>	<b>\$ 6,098</b>	<b>\$ –</b>	<b>\$ 3,661</b>	<b>\$ 10,851</b>
										October 31, 2021
<b>Derivatives held or issued for non-trading purposes</b>										
Interest rate contracts	\$ 548	\$ 148	\$ –	\$ 1,345	\$ 2,041	\$ 346	\$ 213	\$ –	\$ 908	\$ 1,467
Foreign exchange contracts	–	2,631	–	87	2,718	–	2,887	–	193	3,080
Credit derivative contracts	–	–	–	2	2	–	–	–	138	138
Other contracts	–	927	–	689	1,616	–	–	–	1,792	1,792
<b>Fair value – non-trading</b>	<b>\$ 548</b>	<b>\$ 3,706</b>	<b>\$ –</b>	<b>\$ 2,123</b>	<b>\$ 6,377</b>	<b>\$ 346</b>	<b>\$ 3,100</b>	<b>\$ –</b>	<b>\$ 3,031</b>	<b>\$ 6,477</b>

<sup>1</sup> Certain derivative assets qualify to be offset with certain derivative liabilities on the Consolidated Balance Sheet. Refer to Note 6 for further details.

## Fair Value Hedges

The following table presents the effects of fair value hedges on the Consolidated Balance Sheet and the Consolidated Statement of Income.

### Fair Value Hedges

(millions of Canadian dollars)

For the years ended or as at October 31

	2022					
	Change in value of hedged items for ineffectiveness measurement	Change in fair value of hedging instruments for ineffectiveness measurement	Hedge ineffectiveness	Carrying amounts for hedged items	Accumulated amount of fair value hedge adjustments on hedged items <sup>1,2</sup>	Accumulated amount of fair value hedge adjustments on de-designated hedged items
<b>Assets</b>						
<i>Interest rate risk</i>						
Debt securities at amortized cost	\$ (19,268)	\$ 19,346	\$ 78	\$ 85,654	\$ (14,684)	\$ (3,102)
Financial assets at fair value through other comprehensive income	(3,236)	3,236	–	40,990	(3,459)	(56)
Loans	(1,843)	1,828	(15)	23,863	(1,270)	23
<b>Total assets</b>	<b>(24,347)</b>	<b>24,410</b>	<b>63</b>	<b>150,507</b>	<b>(19,413)</b>	<b>(3,135)</b>
<b>Liabilities</b>						
<i>Interest rate risk</i>						
Deposits	11,492	(11,526)	(34)	127,396	(10,532)	(84)
Securitization liabilities at amortized cost	51	(51)	–	1,549	39	–
Subordinated notes and debentures	102	(101)	1	1,230	(110)	(8)
<b>Total liabilities</b>	<b>11,645</b>	<b>(11,678)</b>	<b>(33)</b>	<b>130,175</b>	<b>(10,603)</b>	<b>(92)</b>
<b>Total</b>	<b>\$ (12,702)</b>	<b>\$ 12,732</b>	<b>\$ 30</b>			
2021						
<b>Assets</b>						
<i>Interest rate risk</i>						
Debt securities at amortized cost	\$ (2,039)	\$ 2,065	\$ 26	\$ 86,716	\$ 466	\$ 58
Financial assets at fair value through other comprehensive income	(1,952)	1,981	29	47,306	(277)	30
Loans	(1,603)	1,661	58	61,346	(95)	25
<b>Total assets</b>	<b>(5,594)</b>	<b>5,707</b>	<b>113</b>	<b>195,368</b>	<b>94</b>	<b>113</b>
<b>Liabilities</b>						
<i>Interest rate risk</i>						
Deposits	2,529	(2,569)	(40)	123,765	638	20
Securitization liabilities at amortized cost	20	(20)	–	1,536	147	–
Subordinated notes and debentures	91	(92)	(1)	1,326	(16)	11
<b>Total liabilities</b>	<b>2,640</b>	<b>(2,681)</b>	<b>(41)</b>	<b>126,627</b>	<b>769</b>	<b>31</b>
<b>Total</b>	<b>\$ (2,954)</b>	<b>\$ 3,026</b>	<b>\$ 72</b>			

<sup>1</sup> The Bank has portfolios of fixed rate financial assets and liabilities whereby the principal amount changes frequently due to originations, issuances, maturities and prepayments. The interest rate risk hedges on these portfolios are rebalanced dynamically.

<sup>2</sup> Reported balances represent adjustments to the carrying values of hedged items as included in the "Carrying amounts for hedged items" column in this table.

## Cash Flow Hedges and Net Investment Hedges

The following table presents the effects of cash flow hedges and net investment hedges on the Bank's Consolidated Statement of Income and the Consolidated Statement of Comprehensive Income.

### Cash Flow and Net Investment Hedges

(millions of Canadian dollars)		For the years ended October 31				
		2022				
	Change in value of hedged items for ineffectiveness measurement	Change in fair value of hedging instruments for ineffectiveness measurement	Hedge ineffectiveness	Hedging gains (losses) recognized in comprehensive income <sup>1</sup>	Amount reclassified from accumulated other comprehensive income (loss) to earnings <sup>1</sup>	Net change in other comprehensive income (loss) <sup>1</sup>
<b>Cash flow hedges<sup>2</sup></b>						
Interest rate risk <sup>3</sup>	\$ 8,023	\$ (8,032)	\$ (9)	\$ (7,842)	\$ 512	\$ (8,354)
Foreign exchange risk <sup>4,5,6</sup>	(2,129)	2,123	(6)	1,607	3,477	(1,870)
Equity price risk	(56)	56	–	56	111	(55)
<b>Total cash flow hedges</b>	<b>\$ 5,838</b>	<b>\$ (5,853)</b>	<b>\$ (15)</b>	<b>\$ (6,179)</b>	<b>\$ 4,100</b>	<b>\$ (10,279)</b>
<b>Net investment hedges</b>	<b>\$ 3,271</b>	<b>\$ (3,271)</b>	<b>\$ –</b>	<b>\$ (3,271)</b>	<b>\$ 68</b>	<b>\$ (3,339)</b>
2021						
<b>Cash flow hedges<sup>2</sup></b>						
Interest rate risk <sup>3</sup>	\$ 2,084	\$ (2,087)	\$ (3)	\$ (1,682)	\$ 1,162	\$ (2,844)
Foreign exchange risk <sup>4,5,6</sup>	1,962	(1,962)	–	(2,441)	(2,604)	163
Equity price risk	(952)	952	–	952	836	116
<b>Total cash flow hedges</b>	<b>\$ 3,094</b>	<b>\$ (3,097)</b>	<b>\$ (3)</b>	<b>\$ (3,171)</b>	<b>\$ (606)</b>	<b>\$ (2,565)</b>
<b>Net investment hedges</b>	<b>\$ (2,649)</b>	<b>\$ 2,649</b>	<b>\$ –</b>	<b>\$ 2,649</b>	<b>\$ –</b>	<b>\$ 2,649</b>

<sup>1</sup> Effects on other comprehensive income are presented on a pre-tax basis.

<sup>2</sup> During the years ended October 31, 2022 and October 31, 2021, there were no instances where forecast hedged transactions failed to occur.

<sup>3</sup> Hedged items include forecast interest cash flows on loans, deposits, and securitization liabilities.

<sup>4</sup> For non-derivative instruments designated as hedging foreign exchange risk, fair value change is measured as the gains and losses due to spot foreign exchange movements.

<sup>5</sup> Cross-currency swaps may be used to hedge 1) foreign exchange risk, or 2) a combination of interest rate risk and foreign exchange risk in a single hedge relationship. Cross-currency swaps in both types of hedge relationships are disclosed in the above risk category (foreign exchange risk).

<sup>6</sup> Hedged items include principal and interest cash flows on foreign denominated securities, loans, deposits, other liabilities, and subordinated notes and debentures.

### Reconciliation of Accumulated Other Comprehensive Income (Loss)<sup>1</sup>

(millions of Canadian dollars)		For the years ended October 31			
		2022			
	Accumulated other comprehensive income (loss) at beginning of year	Net changes in other comprehensive income (loss)	Accumulated other comprehensive income (loss) at end of year	Accumulated other comprehensive income (loss) on designated hedges	Accumulated other comprehensive income (loss) on de-designated hedges
<b>Cash flow hedges</b>					
Interest rate risk	\$ 2,372	\$ (8,354)	\$ (5,982)	\$ (4,843)	\$ (1,139)
Foreign exchange risk	123	(1,870)	(1,747)	(1,747)	–
Equity price risk	71	(55)	16	16	–
<b>Total cash flow hedges</b>	<b>\$ 2,566</b>	<b>\$ (10,279)</b>	<b>\$ (7,713)</b>	<b>\$ (6,574)</b>	<b>\$ (1,139)</b>
<b>Net investment hedges</b>					
Foreign translation risk	\$ (1,177)	\$ (3,339)	\$ (4,516)	\$ (4,516)	\$ –
2021					
<b>Cash flow hedges</b>					
Interest rate risk	\$ 5,216	\$ (2,844)	\$ 2,372	\$ (1,063)	\$ 3,435
Foreign exchange risk	(40)	163	123	123	–
Equity price risk	(45)	116	71	71	–
<b>Total cash flow hedges</b>	<b>\$ 5,131</b>	<b>\$ (2,565)</b>	<b>\$ 2,566</b>	<b>\$ (869)</b>	<b>\$ 3,435</b>
<b>Net investment hedges</b>					
Foreign translation risk	\$ (3,826)	\$ 2,649	\$ (1,177)	\$ (1,177)	\$ –

<sup>1</sup> Presented on a pre-tax basis.

**(b) NOTIONAL AMOUNTS**

The notional amounts are not recorded as assets or liabilities as they represent the face amount of the contract to which a rate or price is applied to determine the amount of cash flows to be exchanged. Notional amounts do not represent the potential gain or loss associated

with the market risk nor are they indicative of the credit risk associated with derivative financial instruments.

The following table discloses the notional amount of OTC and exchange-traded derivatives.

**Over-the-Counter and Exchange-Traded Derivatives**

(millions of Canadian dollars)

							As at	
							October 31 2022	October 31 2021
	Trading							
	Over-the-Counter <sup>1</sup>							
	Clearing house <sup>2</sup>	Non clearing house	Exchange- traded	Total	Non- trading <sup>3</sup>	Total	Total	
<b>Notional</b>								
<b>Interest rate contracts</b>								
Futures	\$ –	\$ –	\$ 1,191,392	\$ 1,191,392	\$ –	\$ 1,191,392	\$ 896,396	
Forward rate agreements	525,542	10,788	–	536,330	501	536,831	519,326	
Swaps	14,156,659	418,241	–	14,574,900	1,955,639	16,530,539	12,520,674	
Options written	–	78,984	117,942	196,926	34	196,960	108,958	
Options purchased	–	83,202	125,056	208,258	967	209,225	118,950	
Total interest rate contracts	14,682,201	591,215	1,434,390	16,707,806	1,957,141	18,664,947	14,164,304	
<b>Foreign exchange contracts</b>								
Forward contracts	–	234,747	–	234,747	29,562	264,309	221,596	
Swaps	912	1,912,924	–	1,913,836	2,049	1,915,885	2,367,090	
Cross-currency interest rate swaps	–	1,099,221	–	1,099,221	104,988	1,204,209	1,039,960	
Options written	–	35,501	84	35,585	–	35,585	19,173	
Options purchased	–	26,559	10	26,569	–	26,569	16,758	
Total foreign exchange contracts	912	3,308,952	94	3,309,958	136,599	3,446,557	3,664,577	
<b>Credit derivative contracts</b>								
Credit default swaps – protection purchased	9,735	91	–	9,826	3,378	13,204	11,664	
Credit default swaps – protection sold	2,843	211	–	3,054	–	3,054	2,963	
Total credit derivative contracts	12,578	302	–	12,880	3,378	16,258	14,627	
<b>Other contracts</b>								
Equity contracts	–	74,652	89,202	163,854	27,620	191,474	215,716	
Commodity contracts	363	74,724	60,070	135,157	–	135,157	103,343	
Total other contracts	363	149,376	149,272	299,011	27,620	326,631	319,059	
<b>Total</b>	<b>\$ 14,696,054</b>	<b>\$ 4,049,845</b>	<b>\$ 1,583,756</b>	<b>\$ 20,329,655</b>	<b>\$ 2,124,738</b>	<b>\$ 22,454,393</b>	<b>\$ 18,162,567</b>	

<sup>1</sup> Collateral held under a Credit Support Annex to help reduce counterparty credit risk is in the form of high-quality and liquid assets such as cash and high-quality government securities. Acceptable collateral is governed by the Collateralized Trading Policy.

<sup>2</sup> Derivatives executed through a central clearing house reduce settlement risk due to the ability to net settle offsetting positions for capital purposes and therefore receive preferential capital treatment compared to those settled with non-central clearing house counterparties.

<sup>3</sup> Includes \$1,772 billion of OTC derivatives that are transacted with clearing houses (October 31, 2021 – \$1,442 billion) and \$352 billion of OTC derivatives that are transacted with non-clearing houses (October 31, 2021 – \$284 billion). There were no exchange-traded derivatives both as at October 31, 2022 and October 31, 2021.

The following table distinguishes the notional amount of derivatives held or issued for non-trading purposes between those that have been designated in qualifying hedge accounting relationships and those which have not been designated in qualifying hedge accounting relationships.

### Notional of Non-Trading Derivatives

(millions of Canadian dollars)

	As at				
	October 31, 2022				
	Derivatives in qualifying hedging relationships			Derivatives not in qualifying hedging relationships	
Derivatives held or issued for hedging (non-trading) purposes	Fair value	Cash flow <sup>1</sup>	Net Investment <sup>1</sup>	relationships	Total
Interest rate contracts	\$ 324,283	\$ 296,017	\$ –	\$ 1,336,841	\$ 1,957,141
Foreign exchange contracts	–	123,986	–	12,613	136,599
Credit derivative contracts	–	–	–	3,378	3,378
Other contracts	–	1,793	–	25,827	27,620
<b>Total notional non-trading</b>	<b>\$ 324,283</b>	<b>\$ 421,796</b>	<b>\$ –</b>	<b>\$ 1,378,659</b>	<b>\$ 2,124,738</b>
	October 31, 2021				
Interest rate contracts	\$ 343,266	\$ 196,272	\$ –	\$ 1,051,364	\$ 1,590,902
Foreign exchange contracts	–	93,518	–	12,234	105,752
Credit derivative contracts	–	–	–	3,563	3,563
Other contracts	–	1,655	–	24,061	25,716
<b>Total notional non-trading</b>	<b>\$ 343,266</b>	<b>\$ 291,445</b>	<b>\$ –</b>	<b>\$ 1,091,222</b>	<b>\$ 1,725,933</b>

<sup>1</sup> Certain cross-currency swaps are executed using multiple derivatives, including interest rate swaps. These derivatives are used to hedge foreign exchange rate risk in cash flow hedges and net investment hedges.

The following table discloses the notional principal amount of OTC derivatives and exchange-traded derivatives based on their contractual terms to maturity.

### Derivatives by Remaining Term-to-Maturity

(millions of Canadian dollars)

	As at				
	October 31 2022				October 31 2021
Notional Principal	Within 1 year	Over 1 year to 5 years	Over 5 years	Total	Total
<b>Interest rate contracts</b>					
Futures	\$ 950,012	\$ 241,380	\$ –	\$ 1,191,392	\$ 896,396
Forward rate agreements	488,057	46,378	2,396	536,831	519,326
Swaps	5,478,701	7,509,535	3,542,303	16,530,539	12,520,674
Options written	141,333	51,708	3,919	196,960	108,958
Options purchased	150,137	55,030	4,058	209,225	118,950
Total interest rate contracts	7,208,240	7,904,031	3,552,676	18,664,947	14,164,304
<b>Foreign exchange contracts</b>					
Forward contracts	249,672	13,572	1,065	264,309	221,596
Swaps	1,871,824	41,663	2,398	1,915,885	2,367,090
Cross-currency interest rate swaps	268,366	668,957	266,886	1,204,209	1,039,960
Options written	31,476	4,109	–	35,585	19,173
Options purchased	23,519	3,050	–	26,569	16,758
Total foreign exchange contracts	2,444,857	731,351	270,349	3,446,557	3,664,577
<b>Credit derivative contracts</b>					
Credit default swaps – protection purchased	2,128	3,737	7,339	13,204	11,664
Credit default swaps – protection sold	707	1,471	876	3,054	2,963
Total credit derivative contracts	2,835	5,208	8,215	16,258	14,627
<b>Other contracts</b>					
Equity contracts	128,216	62,686	572	191,474	215,716
Commodity contracts	113,086	21,860	211	135,157	103,343
Total other contracts	241,302	84,546	783	326,631	319,059
<b>Total</b>	<b>\$ 9,897,234</b>	<b>\$ 8,725,136</b>	<b>\$ 3,832,023</b>	<b>\$ 22,454,393</b>	<b>\$ 18,162,567</b>

The following table discloses the notional amount and average price of derivative instruments designated in qualifying hedge accounting relationships.

### Hedging Instruments by Remaining Term-to-Maturity

(millions of Canadian dollars, except as noted)

				As at	
				October 31 2022	October 31 2021
	Within 1 year	Over 1 year to 5 years	Over 5 years	Total	Total
<b>Notional</b>					
<b>Interest rate risk</b>					
<b>Interest rate swaps</b>					
<b>Notional – pay fixed</b>	\$ 21,162	\$ 42,159	\$ 112,240	\$ 175,561	\$ 204,788
Average fixed interest rate %	2.96	1.97	2.00		
<b>Notional – received fixed</b>	79,947	185,864	25,287	291,098	248,641
Average fixed interest rate %	3.03	2.13	2.35		
<b>Total notional – interest rate risk</b>	<b>101,109</b>	<b>228,023</b>	<b>137,527</b>	<b>466,659</b>	453,429
<b>Foreign exchange risk<sup>1</sup></b>					
<b>Forward contracts</b>					
Notional – USD/CAD	906	5,533	214	6,653	2,880
Average FX forward rate	1.29	1.29	1.30		
Notional – EUR/CAD	3,638	9,428	571	13,637	14,072
Average FX forward rate	1.63	1.62	1.54		
Notional – other	2	160	–	162	–
<b>Cross-currency swaps<sup>2,3</sup></b>					
Notional – USD/CAD	13,875	32,239	6,915	53,029	40,330
Average FX rate	1.31	1.29	1.27		
Notional – EUR/CAD	5,052	22,666	4,013	31,731	18,289
Average FX rate	1.53	1.43	1.37		
Notional – GBP/CAD	781	3,126	308	4,215	3,298
Average FX rate	1.72	1.64	1.71		
Notional – other currency pairs <sup>4</sup>	4,580	9,761	220	14,561	14,664
<b>Total notional – foreign exchange risk</b>	<b>28,834</b>	<b>82,913</b>	<b>12,241</b>	<b>123,988</b>	93,533
<b>Equity Price Risk</b>					
Notional – equity contracts	1,793	–	–	1,793	1,655
<b>Total notional</b>	<b>\$ 131,736</b>	<b>\$ 310,936</b>	<b>\$ 149,768</b>	<b>\$ 592,440</b>	\$ 548,617

<sup>1</sup> Foreign currency denominated deposit liabilities are also used to hedge foreign exchange risk. Includes \$30.5 billion (October 31, 2021 – \$32.4 billion) of the carrying value of these non-derivative hedging instruments designated under net investment hedges.

<sup>2</sup> Cross-currency swaps may be used to hedge 1) foreign exchange risk, or 2) a combination of interest rate risk and foreign exchange risk in a single hedge relationship. Cross-currency swaps in both types of hedge relationships are disclosed in the above risk category (foreign exchange risk).

<sup>3</sup> Certain cross-currency swaps are executed using multiple derivatives, including interest rate swaps. The notional amount of these interest rate swaps, excluded from the above, is \$153.6 billion as at October 31, 2022 (October 31, 2021 – \$86.1 billion).

<sup>4</sup> Includes derivatives executed to manage non-trading foreign currency exposures, when more than one currency is involved prior to hedging to the Canadian dollar, or when the currency pair is not a significant exposure for the Bank.

### Interest Rate Benchmark Reform

The Bank's hedging relationships have significant exposure to US LIBOR and CDOR benchmark rates. As a result of IBOR reform, these benchmark rates are subject to discontinuance, or may become illiquid after the adoption of ARR as established benchmark rates. Judgment may be required in determining whether certain hedging relationships that involve hedging changes in fair value or variability of cash flows attributable to interest rate or foreign exchange risk continue to qualify for hedge accounting.

Impacted hedging relationships will continue to be monitored for each significant benchmark rate subject to ARR transition. As the new ARRs are likely to differ from the prior benchmark rates, new or revised hedging strategies may be required to better align derivative hedging instruments

with hedged items. Given ongoing market developments, the assessment of the impact on the Bank's hedging strategies and its mitigation plans is progressing.

The following table discloses the notional amount of derivative instruments designated in qualifying hedge accounting relationships referencing US LIBOR that have yet to transition to an ARR and mature after June 30, 2023. The table also discloses the notional amount of derivative instruments designated in qualifying hedge accounting relationships referencing GBP LIBOR in the comparative fiscal period that were transitioning to an ARR and were maturing after December 31, 2021.

**Derivative Instruments Designated in Qualifying Hedge Accounting Relationships<sup>1</sup>**

(millions of Canadian dollars)

	<i>As at</i>	
	October 31, 2022	October 31, 2021
	<b>Hedging derivatives maturing after June 30, 2023 (for US LIBOR) and December 31, 2021 (for GBP LIBOR)</b>	
<b>Notional</b>		
<b>Interest rate risk</b>		
<b>Interest rate swaps</b>		
US LIBOR	\$ 113,385	\$ 183,399
<b>Foreign exchange risk</b>		
<b>Interest rate swaps</b>		
US LIBOR	14,694	13,347
GBP LIBOR	n/a	1,694
<b>Cross-currency swaps<sup>2</sup></b>		
US LIBOR	20,043	18,288
GBP LIBOR	n/a	1,694
<b>Total</b>	<b>\$ 148,122</b>	<b>\$ 218,422</b>

<sup>1</sup> US LIBOR transitioning to SOFR. GBP LIBOR transitioning to Sterling Overnight Index Average (SONIA).

<sup>2</sup> Cross-currency swaps may be used to hedge foreign exchange risk or a combination of interest rate risk and foreign exchange risk in a single hedge relationship. Both these types of hedges are disclosed under the Foreign exchange risk as the risk category.

The following table discloses the notional amount of derivative instruments designated in qualifying hedge accounting relationships referencing CDOR that have yet to transition to an ARR and mature after June 28, 2024.

**Derivative Instruments Designated in Qualifying Hedge Accounting Relationships<sup>1</sup>**

(millions of Canadian dollars)

	<i>As at</i>	
	October 31, 2022	July 31, 2022
	<b>Hedging derivatives maturing after June 28, 2024 (for CDOR)</b>	
<b>Notional</b>		
<b>Interest rate risk</b>		
Interest rate swaps	\$ 135,732	\$ 124,403
<b>Foreign exchange risk</b>		
Interest rate swaps	54,810	49,196
Cross-currency swaps <sup>2</sup>	56,335	48,242
<b>Total</b>	<b>\$ 246,877</b>	<b>\$ 221,841</b>

<sup>1</sup> CDOR transitioning to CORRA.

<sup>2</sup> Cross-currency swaps may be used to hedge foreign exchange risk or a combination of interest rate risk and foreign exchange risk in a single hedge relationship. Both these types of hedges are disclosed under the Foreign exchange risk as the risk category.

**Credit Exposure of Derivatives**

(millions of Canadian dollars)

	October 31, 2022			October 31, 2021		
	Current replacement cost	Credit equivalent amount	Risk-weighted amount	Current replacement cost	Credit equivalent amount	Risk-weighted amount
<b>Interest rate contracts</b>						
Forward rate agreements	\$ 21	\$ 90	\$ 30	\$ 15	\$ 275	\$ 164
Swaps	7,328	14,424	920	2,117	7,817	1,710
Options written	4	84	18	4	71	18
Options purchased	20	101	40	33	114	31
Total interest rate contracts	7,373	14,699	1,008	2,169	8,277	1,923
<b>Foreign exchange contracts</b>						
Forward contracts	1,467	4,446	695	558	2,799	465
Swaps	5,583	19,930	2,265	2,799	18,649	1,975
Cross-currency interest rate swaps	6,372	18,019	1,599	1,490	10,075	1,170
Options written	35	349	183	7	145	52
Options purchased	102	271	135	22	132	64
Total foreign exchange contracts	13,559	43,015	4,877	4,876	31,800	3,726
<b>Other contracts</b>						
Credit derivatives	1	449	83	3	426	88
Equity contracts	513	7,456	1,662	252	7,129	1,390
Commodity contracts	1,104	5,101	1,055	1,524	5,176	1,340
Total other contracts	1,618	13,006	2,800	1,779	12,731	2,818
<b>Total derivatives</b>	<b>22,550</b>	<b>70,720</b>	<b>8,685</b>	<b>8,824</b>	<b>52,808</b>	<b>8,467</b>
Qualifying Central Counterparty Contracts	7,468	28,230	941	5,937	20,945	611
<b>Total</b>	<b>\$ 30,018</b>	<b>\$ 98,950</b>	<b>\$ 9,626</b>	<b>\$ 14,761</b>	<b>\$ 73,753</b>	<b>\$ 9,078</b>

**(c) DERIVATIVE-RELATED RISKS**

**Market Risk**

Derivatives, in the absence of any compensating upfront cash payments, generally have no market value at inception. They obtain value, positive or negative, as relevant interest rates, foreign exchange rates, equity, commodity or credit prices or indices change, such that the previously contracted terms of the derivative transactions have become more or less favourable than what can be negotiated under current market conditions for contracts with the same terms and the same remaining period to expiry.

The potential for derivatives to increase or decrease in value as a result of the foregoing factors is generally referred to as market risk.

**Credit Risk**

Credit risk on derivatives, also known as counterparty credit risk, is the risk of a financial loss occurring as a result of the failure of a counterparty to meet its obligation to the Bank.

Derivative-related credit risks are subject to the same credit approval, limit and monitoring standards that are used for managing other transactions that create credit exposure. This includes evaluating the creditworthiness of counterparties, and managing the size, diversification and maturity structure of the portfolios. The Bank actively engages in risk mitigation strategies through the use of multi-product derivative master netting agreements, collateral and other risk mitigation techniques. Master netting agreements reduce risk to the Bank by allowing the Bank to close out and net transactions with counterparties subject to such agreements upon the occurrence of certain events. The current replacement cost and credit equivalent amount shown in the following table are based on the standardized approach for counterparty credit risk. According to this approach, the current replacement cost accounts for the fair value of the positions, posted and received collateral, and master netting agreement clauses. The credit equivalent amount is the sum of the current replacement cost and the potential future exposure, which is calculated by applying factors determined by OSFI to the notional principal amount of the derivatives. The risk-weighted amount is determined by applying the adequate risk weights to the credit equivalent amount.

## Current Replacement Cost of Derivatives

(millions of Canadian dollars, except as noted)

By sector							As at	
	Canada <sup>1</sup>		United States <sup>1</sup>		Other international <sup>1</sup>		Total	
	October 31 2022	October 31 2021	October 31 2022	October 31 2021	October 31 2022	October 31 2021	October 31 2022	October 31 2021
Financial	\$ 5,636	\$ 2,962	\$ 19	\$ 64	\$ 551	\$ 223	\$ 6,206	\$ 3,249
Government	6,185	1,389	66	13	5,388	180	11,639	1,582
Other	1,940	2,202	737	1,228	2,028	563	4,705	3,993
<b>Total current replacement cost</b>	<b>\$ 13,761</b>	<b>\$ 6,553</b>	<b>\$ 822</b>	<b>\$ 1,305</b>	<b>\$ 7,967</b>	<b>\$ 966</b>	<b>\$ 22,550</b>	<b>\$ 8,824</b>

By location of risk	October 31 2022	October 31 2021	October 31 2022 % mix	October 31 2021 % mix
	Canada	\$ 4,411	\$ 2,419	19.6%
United States	8,036	3,336	35.6	37.8
Other international				
United Kingdom	1,224	656	5.4	7.4
Europe – other	4,257	1,243	18.9	14.1
Other	4,622	1,170	20.5	13.3
Total Other international	10,103	3,069	44.8	34.8
<b>Total current replacement cost</b>	<b>\$ 22,550</b>	<b>\$ 8,824</b>	<b>100.0%</b>	<b>100.0%</b>

<sup>1</sup> Based on geographic location of unit responsible for recording revenue.

Certain of the Bank's derivative contracts are governed by master derivative agreements having provisions that may permit the Bank's counterparties to require, upon the occurrence of a certain contingent event: (1) the posting of collateral or other acceptable remedy such as assignment of the affected contracts to an acceptable counterparty; or (2) settlement of outstanding derivative contracts. Most often, these contingent events are in the form of a downgrade of the senior debt rating of the Bank, either as counterparty or as guarantor of one of the Bank's subsidiaries. At October 31, 2022, the aggregate net liability position of those contracts would require: (1) the posting of collateral or other acceptable remedy totalling \$392 million (October 31, 2021 – \$73 million) in the event of a one-notch or two-notch downgrade in the Bank's senior debt rating; and (2) funding totalling nil (October 31, 2021 – nil) following the termination and settlement of outstanding derivative contracts in the event of a one-notch or two-notch downgrade in the Bank's senior debt rating.

Certain of the Bank's derivative contracts are governed by master derivative agreements having credit support provisions that permit the Bank's counterparties to call for collateral depending on the net mark-to-market exposure position of all derivative contracts governed by that master derivative agreement. Some of these agreements may permit the Bank's counterparties to require, upon the downgrade of the credit rating of the Bank, to post additional collateral. As at October 31, 2022, the fair value of all derivative instruments with credit risk related contingent features in a net liability position was \$19 billion (October 31, 2021 – \$12 billion). The Bank has posted \$18 billion (October 31, 2021 – \$15 billion) of collateral for this exposure in the normal course of business. As at October 31, 2022, the impact of a one-notch downgrade in the Bank's credit rating would require the Bank to post an additional \$174 million (October 31, 2021 – \$182 million) of collateral to that posted in the normal course of business. A two-notch downgrade in the Bank's credit rating would require the Bank to post an additional \$269 million (October 31, 2021 – \$266 million) of collateral to that posted in the normal course of business.

## NOTE 12 INVESTMENT IN ASSOCIATES AND JOINT VENTURES

### INVESTMENT IN THE CHARLES SCHWAB CORPORATION

The Bank has significant influence over The Charles Schwab Corporation ("Schwab") and the ability to participate in the financial and operating policy-making decisions of Schwab through a combination of the Bank's ownership, board representation and the insured deposit account agreement between the Bank and Schwab (the "Schwab IDA Agreement"). As such, the Bank accounts for its investment in Schwab using the equity method. The Bank's share of Schwab's earnings available to common shareholders is reported with a one-month lag. The Bank takes into account changes in the one-month lag period that would significantly affect the results.

On August 1, 2022, in order to provide the capital required for the acquisition of Cowen Inc. ("Cowen"), the Bank sold 28.4 million non-voting common shares of Schwab at a price of US\$66.53 per share for proceeds of \$2.5 billion (US\$1.9 billion). Approximately 15 million shares were sold to Schwab pursuant to a repurchase agreement at a price equal to the price obtained in the sale of 13.4 million shares sold to a broker dealer pursuant to Rule 144 of the *Securities Act of 1933*. All shares sold automatically converted into shares of Schwab voting common stock and the shares acquired by Schwab are no longer outstanding. The sales reduced the Bank's ownership interest in Schwab from approximately 13.4% to 12.0%. The Bank recognized \$997 million

as other income (net of \$368 million loss from AOCI reclassified to earnings), in the fourth quarter of fiscal 2022.

As at October 31, 2022, the Bank's reported investment in Schwab was approximately 12.1% (October 31, 2021 – 13.4%), consisting of 9.6% of the outstanding voting common shares and the remainder in non-voting common shares of Schwab with a fair value of \$24 billion (US\$18 billion) (October 31, 2021 – \$26 billion (US\$21 billion)) based on the closing price of US\$79.67 (October 31, 2021 – US\$82.03) on the New York Stock Exchange.

The Bank and Schwab are party to a stockholder agreement (the "Stockholder Agreement") under which the Bank has the right to designate two members of Schwab's Board of Directors and has representation on two Board Committees, subject to the Bank meeting certain conditions. The Bank's designated directors currently are the Bank's Group President and Chief Executive Officer and the Bank's Chair of the Board. Under the Stockholder Agreement, the Bank is not permitted to own more than 9.9% voting common shares of Schwab, and the Bank is subject to customary standstill restrictions and, subject to certain exceptions, transfer restrictions. In addition, the Schwab IDA Agreement has an initial expiration date of July 1, 2031. Refer to Note 28 for further details on the Schwab IDA Agreement.

The carrying value of the Bank's investment in Schwab of \$8.1 billion as at October 31, 2022 (October 31, 2021 – \$11.1 billion) represents the Bank's share of Schwab's stockholders' equity, adjusted for goodwill, other intangibles, and cumulative translation adjustment. The Bank's share of net income from its investment in Schwab of \$991 million during the year ended October 31, 2022 (October 31, 2021 – \$785 million), reflects net income after adjustments for amortization of certain intangibles net of tax. The following tables represent the gross amount of Schwab's total assets, liabilities, net revenues, net income available to common stockholders, other comprehensive income (loss), and comprehensive income (loss).

#### Summarized Financial Information

(millions of Canadian dollars)	As at	
	September 30 2022	September 30 2021
Total assets	\$ 797,759	\$ 751,901
Total liabilities	746,596	680,811

(millions of Canadian dollars)	For the years ended September 30	
	2022	2021
Total net revenues	\$ 25,533	\$ 22,731
Total net income available to common stockholders	8,014	6,267
Total other comprehensive income (loss)	(31,223)	(5,676)
Total comprehensive income (loss)	(23,209)	591

#### INVESTMENT IN OTHER ASSOCIATES OR JOINT VENTURES

Except for Schwab as disclosed above, the Bank did not have investments in associates or joint ventures which were individually material as of October 31, 2022, or October 31, 2021. The carrying amount of the Bank's investment in other associates and joint ventures as at October 31, 2022 was \$3.8 billion (October 31, 2021 – \$3.3 billion).

Other associates and joint ventures consisted predominantly of investments in private funds or partnerships that make equity investments, provide debt financing or support community-based tax-advantaged investments. The investments in these entities generate a return primarily through the realization of U.S. federal and state income tax credits, including Low Income Housing Tax Credits, New Markets Tax Credits, and Historic Tax Credits.

#### NOTE 13 SIGNIFICANT OR PENDING ACQUISITIONS

##### Acquisition of Cowen Inc.

On August 2, 2022, the Bank and Cowen announced a definitive agreement for TD to acquire Cowen in an all-cash transaction valued at US\$1.3 billion, or US\$39.00 for each share of Cowen common stock. The Bank is currently planning to close the transaction in the first calendar quarter of 2023, subject to customary closing conditions, including approvals from certain U.S., Canadian, and foreign regulatory authorities. Regulatory approvals are not within the Bank's control. The results of the acquired business will be consolidated by the Bank from the closing date and reported in the Wholesale Banking segment.

##### Acquisition of First Horizon Corporation

On February 28, 2022, the Bank and First Horizon Corporation ("First Horizon") announced a definitive agreement for the Bank to acquire First Horizon in an all-cash transaction valued at US\$13.4 billion, or US\$25.00 for each common share of First Horizon. In connection with this transaction, the Bank has invested US\$494 million in non-voting First Horizon preferred stock (convertible in certain circumstances into up to 4.9% of First Horizon's common stock). The Bank is currently planning to close the transaction in the first half of fiscal 2023, subject to customary closing conditions, including approvals from U.S. and Canadian regulatory authorities. Regulatory approvals are not within the Bank's control. The results of the acquired business will be consolidated by the Bank from the closing date and reported in the U.S. Retail segment.

First Horizon shareholders will receive, at closing, an additional US\$0.65 per share on an annualized basis for the period from November 27, 2022 through the day immediately prior to the closing. Either party will have the right to terminate the agreement if the transaction has not closed by February 27, 2023 (the "outside date"), subject to the right of either party (under certain conditions) to extend the outside date to May 27, 2023.

During the year, the Bank implemented a strategy to mitigate interest rate volatility to capital on closing of the acquisition.

The fair value of First Horizon's fixed rate financial assets and liabilities and certain intangible assets are sensitive to interest rate changes. The fair value of net assets will determine the amount of goodwill to be recognized on closing of the acquisition. Increases in goodwill and intangibles will negatively impact capital ratios because they are deducted from capital under OSFI Basel III rules. In order to mitigate this volatility to closing capital, the Bank de-designated certain interest rate swaps hedging fixed income investments in fair value hedge accounting relationships.

After the de-designation, mark-to-market gains (losses) on these swaps are recognized in earnings, without any corresponding offset from the previously hedged investments. Such gains (losses) will mitigate the capital impact from changes in the amount of goodwill recognized on closing of the acquisition. The de-designation also triggered the amortization of the investments' basis adjustment to net interest income over the remaining expected life of the investments.

For the year ended October 31, 2022, the Bank reported \$1,487 million in non-interest income related to the mark-to-market on the swaps, and \$154 million in net interest income related to the basis adjustment amortization. In addition, for the year ended October 31, 2022, the Bank reported \$121 million in non-interest income related to the net interest earned on the swaps since the de-designation of the hedge accounting relationships.

##### Acquisition of Wells Fargo & Company's Canadian Direct Equipment Finance Business

On May 1, 2021, the Bank acquired the Canadian Direct Equipment Finance business of Wells Fargo & Company. The results of the acquired business have been consolidated from the acquisition date and included in the Canadian Personal and Commercial Banking segment. This acquisition was accounted for as a business combination under the purchase method. The excess of accounting consideration over the fair value of tangible net assets acquired was allocated to other intangibles and goodwill.

### Acquisition of Headlands Tech Global Markets, LLC

On July 1, 2021, the Bank acquired Headlands Tech Global Markets, LLC, a Chicago based quantitative fixed income trading company. The results of the acquired business have been consolidated from the acquisition date

and included in the Wholesale segment. This acquisition was accounted for as a business combination under the purchase method. The excess of accounting consideration over the fair value of tangible net assets acquired was allocated to other intangibles and goodwill.

## NOTE 14 GOODWILL AND OTHER INTANGIBLES

The recoverable amount of the Bank's CGUs is determined from internally developed valuation models that consider various factors and assumptions such as forecasted earnings, growth rates, discount rates, and terminal growth rates. Management is required to use judgment in estimating the recoverable amount of CGUs, and the use of different assumptions and estimates in the calculations could influence the determination of the existence of impairment and the valuation of goodwill. Management believes that the assumptions and estimates used are reasonable and supportable. Where possible, assumptions generated internally are compared to relevant market information. The carrying amounts of the Bank's CGUs are determined by management using risk-based capital models to adjust net assets and liabilities by CGU. These models consider various factors including market risk, credit risk, and operational risk, including investment capital (comprised of goodwill and other intangibles). Any capital not directly attributable to the CGUs is held within the Corporate segment. As at the date of the last impairment test, the amount of capital was approximately \$21.8 billion and primarily related to treasury assets and excess capital managed within the Corporate segment. The Bank's capital oversight committees provide oversight to the Bank's capital allocation methodologies.

### Key Assumptions

The recoverable amount of each CGU or group of CGUs has been determined based on its estimated value-in-use. In assessing value-in-use,

estimated future cash flows based on the Bank's internal forecast are discounted using an appropriate pre-tax discount rate.

The following were the key assumptions applied in the goodwill impairment testing:

### Discount Rate

The pre-tax discount rates used reflect current market assessments of the risks specific to each group of CGUs and are dependent on the risk profile and capital requirements of each group of CGUs.

### Terminal Value

The earnings included in the goodwill impairment testing for each operating segment were based on the Bank's internal forecast, which projects expected cash flows over the next five years. Beyond the Bank's internal forecast, cash flows were assumed to grow at a steady terminal growth rate. Terminal growth rates were based on the expected long-term growth of gross domestic product and inflation and ranged from 2.0% to 3.9% (2021 – 2.0% to 3.8%).

In considering the sensitivity of the key assumptions discussed above, management determined that a reasonable change in any of the above would not result in the recoverable amount of any of the groups of CGUs to be less than their carrying amount.

### Goodwill by Segment

(millions of Canadian dollars)

	Canadian Personal and Commercial Banking	U.S. Retail <sup>1</sup>	Wealth Management and Insurance	Wholesale Banking	Total
Carrying amount of goodwill as at November 1, 2020	\$ 859	\$ 14,142	\$ 1,987	\$ 160	\$ 17,148
Additions (disposals)	43	–	(3)	116	156
Foreign currency translation adjustments and other	(2)	(1,008)	(60)	(2)	(1,072)
Carrying amount of goodwill as at October 31, 2021 <sup>2</sup>	\$ 900	\$ 13,134	\$ 1,924	\$ 274	\$ 16,232
Additions (disposals)	–	–	–	–	–
Foreign currency translation adjustments and other	2	1,329	80	13	1,424
<b>Carrying amount of goodwill as at October 31, 2022<sup>2</sup></b>	<b>\$ 902</b>	<b>\$ 14,463</b>	<b>\$ 2,004</b>	<b>\$ 287</b>	<b>\$ 17,656</b>

### Pre-tax discount rates

2021	9.7%	9.4–10.0%	9.6–11.0%	13.3%
<b>2022</b>	<b>9.7</b>	<b>9.7–10.0</b>	<b>9.6–11.0</b>	<b>13.3</b>

<sup>1</sup> Goodwill predominantly relates to U.S. personal and commercial banking.

<sup>2</sup> Accumulated impairment as at October 31, 2022 and October 31, 2021 was nil.

## OTHER INTANGIBLES

The following table presents details of other intangibles as at October 31, 2022 and October 31, 2021.

### Other Intangibles

(millions of Canadian dollars)

	Core deposit intangibles	Credit card related intangibles	Internally generated software	Other software	Other intangibles	Total
<b>Cost</b>						
As at November 1, 2020	\$ 2,606	\$ 844	\$ 2,834	\$ 278	\$ 790	\$ 7,352
Additions	–	–	401	58	310	769
Disposals	–	–	(275)	(5)	–	(280)
Fully amortized intangibles	–	–	(251)	(75)	–	(326)
Foreign currency translation adjustments and other	(186)	(10)	(84)	(11)	(41)	(332)
As at October 31, 2021	\$ 2,420	\$ 834	\$ 2,625	\$ 245	\$ 1,059	\$ 7,183
Additions	–	–	651	62	17	730
Disposals	–	–	–	–	–	–
Fully amortized intangibles	–	–	(448)	(72)	8	(512)
Foreign currency translation adjustments and other	244	14	90	(2)	81	427
<b>As at October 31, 2022</b>	<b>\$ 2,664</b>	<b>\$ 848</b>	<b>\$ 2,918</b>	<b>\$ 233</b>	<b>\$ 1,165</b>	<b>\$ 7,828</b>
<b>Amortization and impairment</b>						
As at November 1, 2020	\$ 2,563	\$ 690	\$ 1,275	\$ 204	\$ 495	\$ 5,227
Disposals	–	–	(272)	(5)	–	(277)
Impairment losses (reversals)	–	–	–	–	(4)	(4)
Amortization charge for the year	29	61	487	53	76	706
Fully amortized intangibles	–	–	(251)	(75)	–	(326)
Foreign currency translation adjustments and other	(184)	(11)	(32)	(12)	(27)	(266)
As at October 31, 2021	\$ 2,408	\$ 740	\$ 1,207	\$ 165	\$ 540	\$ 5,060
Disposals	–	–	(1)	–	–	(1)
Impairment losses (reversals)	–	–	–	(1)	–	(1)
Amortization charge for the year	10	17	443	50	79	599
Fully amortized intangibles	–	–	(446)	(72)	3	(515)
Foreign currency translation adjustments and other	244	14	53	11	61	383
<b>As at October 31, 2022</b>	<b>\$ 2,662</b>	<b>\$ 771</b>	<b>\$ 1,256</b>	<b>\$ 153</b>	<b>\$ 683</b>	<b>\$ 5,525</b>
<b>Net Book Value:</b>						
As at October 31, 2021	\$ 12	\$ 94	\$ 1,418	\$ 80	\$ 519	\$ 2,123
<b>As at October 31, 2022</b>	<b>2</b>	<b>77</b>	<b>1,662</b>	<b>80</b>	<b>482</b>	<b>2,303</b>

The following table presents details of the Bank's land, buildings, equipment, and other depreciable assets as at October 31, 2022 and October 31, 2021.

**Land, Buildings, Equipment, and Other Depreciable Assets**

(millions of Canadian dollars)

	Land	Buildings	Computer equipment	Furniture, fixtures, and other depreciable assets	Leasehold improvements	Total
<b>Cost</b>						
As at November 1, 2020	\$ 968	\$ 2,495	\$ 803	\$ 1,396	\$ 3,310	\$ 8,972
Additions	2	144	179	131	235	691
Disposals	(1)	(87)	(31)	(67)	(137)	(323)
Fully depreciated assets	–	(27)	(126)	(68)	(108)	(329)
Foreign currency translation adjustments and other <sup>1</sup>	(93)	(171)	(7)	(50)	(143)	(464)
As at October 31, 2021	876	2,354	818	1,342	3,157	8,547
Additions	1	136	168	152	316	773
Disposals	(1)	(44)	(18)	(23)	(8)	(94)
Fully depreciated assets	–	(28)	(167)	(114)	(178)	(487)
Foreign currency translation adjustments and other <sup>1</sup>	73	146	16	58	174	467
<b>As at October 31, 2022</b>	<b>\$ 949</b>	<b>\$ 2,564</b>	<b>\$ 817</b>	<b>\$ 1,415</b>	<b>\$ 3,461</b>	<b>\$ 9,206</b>
<b>Accumulated depreciation and impairment losses</b>						
As at November 1, 2020	\$ –	\$ 976	\$ 374	\$ 719	\$ 1,586	\$ 3,655
Depreciation charge for the year	–	103	157	153	256	669
Disposals	–	(84)	(28)	(66)	(135)	(313)
Impairment losses	–	54	–	–	–	54
Fully depreciated assets	–	(27)	(126)	(68)	(108)	(329)
Foreign currency translation adjustments and other <sup>1</sup>	–	(115)	(2)	(17)	(66)	(200)
As at October 31, 2021	–	907	375	721	1,533	3,536
Depreciation charge for the year	–	80	160	151	256	647
Disposals	–	(38)	(14)	(23)	(5)	(80)
Impairment losses	–	1	3	–	–	4
Fully depreciated assets	–	(28)	(167)	(114)	(178)	(487)
Foreign currency translation adjustments and other <sup>1</sup>	–	61	8	50	96	215
<b>As at October 31, 2022</b>	<b>\$ –</b>	<b>\$ 983</b>	<b>\$ 365</b>	<b>\$ 785</b>	<b>\$ 1,702</b>	<b>\$ 3,835</b>
<b>Net Book Value Excluding Right-of-Use Assets:</b>						
As at October 31, 2021	\$ 876	\$ 1,447	\$ 443	\$ 621	\$ 1,624	\$ 5,011
<b>As at October 31, 2022</b>	<b>949</b>	<b>1,581</b>	<b>452</b>	<b>630</b>	<b>1,759</b>	<b>5,371</b>

<sup>1</sup> Includes adjustments to reclassify premises related non-current assets held-for-sale to other assets.

The following table presents details of the Bank's ROU assets as recorded in accordance with IFRS 16, Leases. Refer to Note 18 and Note 27 for the related lease liabilities details.

**Right-of-Use Assets Net Book Value**

(millions of Canadian dollars)

	Land	Buildings	Computer equipment	Total
As at November 1, 2020	\$ 956	\$ 3,821	\$ 42	\$ 4,819
Additions	–	119	52	171
Depreciation	(87)	(534)	(16)	(637)
Reassessments, modifications, and variable lease payment adjustments	19	84	–	103
Terminations and impairment	(38)	(83)	(24)	(145)
Foreign currency translation adjustments and other	(70)	(71)	–	(141)
As at October 31, 2021	\$ 780	\$ 3,336	\$ 54	\$ 4,170
Additions	–	132	5	137
Depreciation	(89)	(424)	(14)	(527)
Reassessments, modifications, and variable lease payment adjustments	13	(6)	(1)	6
Terminations and impairment	–	11	–	11
Foreign currency translation adjustments and other	73	159	–	232
<b>As at October 31, 2022</b>	<b>\$ 777</b>	<b>\$ 3,208</b>	<b>\$ 44</b>	<b>\$ 4,029</b>

## Total Land, Buildings, Equipment, and Other Depreciable Assets Net Book Value

(millions of Canadian dollars)

	Land	Buildings	Computer equipment	Furniture, fixtures, and other depreciable assets	Leasehold improvements	Total
As at October 31, 2021	\$ 1,656	\$ 4,783	\$ 497	\$ 621	\$ 1,624	\$ 9,181
<b>As at October 31, 2022</b>	<b>1,726</b>	<b>4,789</b>	<b>496</b>	<b>630</b>	<b>1,759</b>	<b>9,400</b>

## NOTE 16 OTHER ASSETS

### Other Assets

(millions of Canadian dollars)

	October 31 2022	October 31 2021
Accounts receivable and other items	\$ 10,769	\$ 9,144
Accrued interest	3,765	2,196
Current income tax receivable	6,031	1,862
Defined benefit asset	1,406	637
Insurance-related assets, excluding investments	2,008	2,040
Prepaid expenses	1,323	1,300
<b>Total</b>	<b>\$ 25,302</b>	<b>\$ 17,179</b>

## NOTE 17 DEPOSITS

Demand deposits are those for which the Bank does not have the right to require notice prior to withdrawal and are in general chequing accounts. Notice deposits are those for which the Bank can legally require notice prior to withdrawal and are in general savings accounts. Term deposits are payable on a given date of maturity and are purchased by customers

to earn interest over a fixed period, with terms ranging from one day to ten years and generally include fixed term deposits, guaranteed investment certificates, senior debt, and similar instruments. The aggregate amount of term deposits in denominations of \$100,000 or more as at October 31, 2022 was \$436 billion (October 31, 2021 – \$283 billion).

### Deposits

(millions of Canadian dollars)

	By Type						By Country		
	Demand			Notice			Total		
	Demand	Notice	Term <sup>1</sup>	Canada	United States	International	October 31 2022	October 31 2021	
Personal	\$ 21,745	\$ 569,432	\$ 69,661	\$ 315,516	\$ 345,322	\$ –	\$ 660,838	\$ 633,498	
Banks	15,331	256	22,676	25,021	9,769	3,473	38,263	20,917	
Business and government <sup>2</sup>	134,170	206,563	190,136	365,172	160,218	5,479	530,869	470,710	
	171,246	776,251	282,473	705,709	515,309	8,952	1,229,970	1,125,125	
Trading	–	–	23,805	13,564	2,225	8,016	23,805	22,891	
Designated at fair value through profit or loss <sup>3</sup>	–	–	162,645	43,796	67,235	51,614	162,645	113,905	
<b>Total</b>	<b>\$ 171,246</b>	<b>\$ 776,251</b>	<b>\$ 468,923</b>	<b>\$ 763,069</b>	<b>\$ 584,769</b>	<b>\$ 68,582</b>	<b>\$ 1,416,420</b>	<b>\$ 1,261,921</b>	
<b>Non-interest-bearing deposits included above</b>									
In domestic offices							\$ 76,551	\$ 72,705	
In foreign offices							91,175	82,756	
<b>Interest-bearing deposits included above</b>									
In domestic offices							686,518	626,562	
In foreign offices							552,678	479,890	
U.S. federal funds deposited							9,498	8	
<b>Total<sup>2,4</sup></b>							<b>\$ 1,416,420</b>	<b>\$ 1,261,921</b>	

<sup>1</sup> Includes \$89.4 billion (October 31, 2021 – \$43.1 billion) of senior debt which is subject to the Bank recapitalization "bail-in" regime. This regime provides certain statutory powers to the Canada Deposit Insurance Corporation, including the ability to convert specified eligible shares and liabilities into common shares in the event that the Bank becomes non-viable.

<sup>2</sup> Includes \$34 billion relating to covered bondholders (October 31, 2021 – \$25.1 billion) and nil (October 31, 2021 – \$0.5 billion) due to Trust IV.

<sup>3</sup> Financial liabilities designated at FVTPL on the Consolidated Balance Sheet also includes \$140.5 million (October 31, 2021 – \$83.3 million) of loan commitments and financial guarantees designated at FVTPL.

<sup>4</sup> Includes deposits of \$814.9 billion (October 31, 2021 – \$719.8 billion) denominated in U.S. dollars and \$84.4 billion (October 31, 2021 – \$43.6 billion) denominated in other foreign currencies.

### Term Deposits by Remaining Term-to-Maturity

(millions of Canadian dollars)

							October 31 2022	October 31 2021
	Within 1 year	Over 1 years to 2 years	Over 2 years to 3 years	Over 3 years to 4 years	Over 4 years to 5 years	Over 5 years	Total	Total
Personal	\$ 43,791	\$ 12,801	\$ 6,187	\$ 6,772	\$ 79	\$ 31	\$ 69,661	\$ 51,081
Banks	22,670	–	–	–	3	3	22,676	9,409
Business and government	87,517	26,060	27,588	11,093	24,711	13,167	190,136	115,101
Trading	14,153	4,181	1,917	1,039	1,180	1,335	23,805	22,891
Designated at fair value through profit or loss	161,745	804	96	–	–	–	162,645	113,905
<b>Total</b>	<b>\$ 329,876</b>	<b>\$ 43,846</b>	<b>\$ 35,788</b>	<b>\$ 18,904</b>	<b>\$ 25,973</b>	<b>\$ 14,536</b>	<b>\$ 468,923</b>	<b>\$ 312,387</b>

### Term Deposits due within a Year

(millions of Canadian dollars)

				October 31 2022	October 31 2021
	Within 3 months	Over 3 months to 6 months	Over 6 months to 12 months	Total	Total
Personal	\$ 11,423	\$ 10,173	\$ 22,195	\$ 43,791	\$ 36,187
Banks	22,606	51	13	22,670	9,401
Business and government	52,015	10,095	25,407	87,517	42,887
Trading	6,265	4,390	3,498	14,153	16,086
Designated at fair value through profit or loss	40,474	52,497	68,774	161,745	112,778
<b>Total</b>	<b>\$ 132,783</b>	<b>\$ 77,206</b>	<b>\$ 119,887</b>	<b>\$ 329,876</b>	<b>\$ 217,339</b>

### NOTE 18 OTHER LIABILITIES

#### Other Liabilities

(millions of Canadian dollars)

	October 31 2022	October 31 2021
Accounts payable, accrued expenses, and other items <sup>1</sup>	\$ 5,040	\$ 7,499
Accrued interest	1,870	714
Accrued salaries and employee benefits	4,100	4,151
Cheques and other items in transit	2,116	2,667
Current income tax payable	151	82
Deferred tax liabilities	236	244
Defined benefit liability	1,286	1,592
Lease liabilities <sup>2</sup>	5,313	5,473
Liabilities related to structured entities	12,120	4,407
Provisions	1,320	1,304
<b>Total</b>	<b>\$ 33,552</b>	<b>\$ 28,133</b>

<sup>1</sup> Includes dividends and distributions payable of nil as of October 31, 2022 (October 31, 2021 – \$1,404 million).

<sup>2</sup> Refer to Note 27 for lease liability maturity and lease payment details.

**NOTE 19 SUBORDINATED NOTES AND DEBENTURES**

Subordinated notes and debentures are direct unsecured obligations of the Bank or its subsidiaries and are subordinated in right of payment to the claims of depositors and certain other creditors. Redemptions,

cancellations, exchanges, and modifications of subordinated debentures qualifying as regulatory capital are subject to the consent and approval of OSFI.

**Subordinated Notes and Debentures**

(millions of Canadian dollars, except as noted)

Maturity date	Interest rate (%)	Reset spread (%)	Earliest par redemption date	As at	
				October 31 2022	October 31 2021
May 26, 2025	9.150	n/a	–	\$ 200	\$ 200
September 14, 2028 <sup>1</sup>	3.589 <sup>2</sup>	1.060 <sup>2</sup>	September 14, 2023	1,750	1,749
July 25, 2029 <sup>1</sup>	3.224 <sup>2</sup>	1.250 <sup>2</sup>	July 25, 2024	1,505	1,550
April 22, 2030 <sup>1</sup>	3.105 <sup>2</sup>	2.160 <sup>2</sup>	April 22, 2025	3,001	2,952
March 4, 2031 <sup>1</sup>	4.859 <sup>2</sup>	3.490 <sup>2</sup>	March 4, 2026	1,247	1,271
September 15, 2031 <sup>1</sup>	3.625 <sup>3</sup>	2.205 <sup>3</sup>	September 15, 2026	1,940	1,765
January 26, 2032 <sup>1</sup>	3.060 <sup>2</sup>	1.330 <sup>2</sup>	January 26, 2027	1,647	1,743
<b>Total</b>				<b>\$ 11,290</b>	<b>\$ 11,230</b>

<sup>1</sup> The subordinated notes and debentures include non-viability contingent capital (NVCC) provisions and qualify as regulatory capital under OSFI's Capital Adequacy Requirements (CAR) guideline. Refer to Note 21 for further details.

<sup>2</sup> Interest rate is for the period to but excluding the earliest par redemption date, and thereafter, it will be reset at a rate of three-month Bankers' Acceptance rate (as such term is defined in the applicable offering document) plus the reset spread noted.

<sup>3</sup> Interest rate is for the period to but excluding the earliest par redemption date, and thereafter, it will be reset at a rate of 5-year Mid-Swap Rate plus the reset spread noted.

The total change in subordinated notes and debentures for the year ended October 31, 2022 primarily relates to foreign exchange translation and the basis adjustment for fair value hedges.

**NOTE 20 CAPITAL TRUST SECURITIES**

In 2009, the Bank issued innovative capital securities through Trust IV. On November 1, 2021, Trust IV redeemed all of the outstanding TD Capital Trust IV Notes – Series 2. The proceeds from the issuance of TD Capital

Trust IV Notes – Series 2 were invested in bank deposit notes which were also redeemed on November 1, 2021. On December 8, 2021, Trust IV was dissolved. Refer to Notes 10 and 17 for further details.

**Capital Trust Securities**

(millions of Canadian dollars, except as noted)

	Thousands of units	Distribution/Interest payment dates	Annual yield	Redemption date		
				At the option of the issuer	October 31 2022	October 31 2021
<b>TD Capital Trust Notes issued by Trust IV</b>						
TD Capital Trust IV Notes – Series 2	450	June 30, Dec. 31	10.000%	June 30, 2014	\$ –	\$ 450

**NOTE 21 EQUITY**
**COMMON SHARES**

The Bank is authorized by its shareholders to issue an unlimited number of common shares, without par value, for unlimited consideration. The common shares are not redeemable or convertible. Dividends are typically declared by the Board of Directors of the Bank on a quarterly basis and the amount may vary from quarter to quarter.

**PREFERRED SHARES AND OTHER EQUITY INSTRUMENTS**
**Preferred Shares**

The Bank is authorized by its shareholders to issue, in one or more series, an unlimited number of Class A First Preferred Shares, without nominal or par value. Non-cumulative preferential dividends are payable either quarterly or semi-annually in accordance with applicable terms, as and when declared by the Board of Directors of the Bank. All preferred

shares issued by the Bank currently include NVCC provisions, necessary for the preferred shares to qualify as regulatory capital under OSFI's CAR guideline. NVCC provisions require the conversion of the impacted instruments into a variable number of common shares upon the occurrence of a Trigger Event. A Trigger Event is currently defined in the CAR guideline as an event where OSFI determines that the Bank is, or is about to become, non-viable and that after conversion of all non-common capital instruments and consideration of any other relevant factors or circumstances, the viability of the Bank is expected to be restored, or where the Bank has accepted or agreed to accept a capital injection or equivalent support from a federal or provincial government of Canada without which the Bank would have been determined by OSFI to be non-viable.

### Limited Recourse Capital Notes

The Bank has issued Limited Recourse Capital Notes (the "LRCNs") with recourse limited to assets held in a trust consolidated by the Bank (the "Limited Recourse Trust"). The Limited Recourse Trust's assets consist of Class A First Preferred Shares of the Bank, each series which is issued concurrently with the LRCNs (the "LRCN Preferred Shares"). The LRCN Preferred Shares are eliminated on the Bank's consolidated financial statements.

In the event of (i) non-payment of interest following any interest payment date, (ii) non-payment of the redemption price in case of a redemption of the LRCNs, (iii) non-payment of principal plus accrued and unpaid interest at the maturity of the LRCNs, (iv) an event of default on the LRCNs, or (v) a Trigger Event, the recourse of each LRCN holder will be limited to that holder's pro rata share of the Limited Recourse Trust's assets.

The LRCNs, by virtue of the recourse to the LRCN Preferred Shares, include standard NVCC provisions necessary for them to qualify as Additional Tier 1 Capital under OSFI's CAR guideline. NVCC provisions require the conversion of the instrument into a variable number of

common shares upon the occurrence of a Trigger Event. In such an event, each LRCN Preferred Share will automatically and immediately be converted into a variable number of common shares which will be delivered to LRCN holders in satisfaction of the principal amount of, and accrued and unpaid interest on, the LRCNs. The number of common shares issued will be determined based on the conversion formula set out in the terms of the respective series of LRCN Preferred Shares.

The LRCNs are compound instruments with both equity and liability features. Non-payment of interest and principal in cash does not constitute an event of default and will trigger the delivery of the LRCN Preferred Shares. The liability component has a nominal value and, therefore, the proceeds received upon issuance have been presented as equity, and any interest payments are accounted for as distributions on other equity instruments.

The following table summarizes the changes to the shares and other equity instruments issued and outstanding and treasury instruments held as at and for the years ended October 31, 2022 and October 31, 2021.

### Shares and Other Equity Instruments Issued and Outstanding and Treasury Instruments Held

(millions of shares or other equity instruments and millions of Canadian dollars)

	October 31, 2022		October 31, 2021	
	Number of shares	Amount	Number of shares	Amount
<b>Common Shares</b>				
Balance as at beginning of year	1,823.9	\$ 23,066	1,816.1	\$ 22,487
Proceeds from shares issued on exercise of stock options	1.8	120	2.8	165
Shares issued as a result of dividend reinvestment plan	17.0	1,442	5.0	414
Purchase of shares for cancellation and other	(21.0)	(265)	–	–
<b>Balance as at end of year – common shares</b>	<b>1,821.7</b>	<b>\$ 24,363</b>	<b>1,823.9</b>	<b>\$ 23,066</b>
<b>Preferred Shares and Other Equity Instruments</b>				
<b>Preferred Shares – Class A</b>				
Series 1	20.0	\$ 500	20.0	\$ 500
Series 3	20.0	500	20.0	500
Series 5	20.0	500	20.0	500
Series 7	14.0	350	14.0	350
Series 9	8.0	200	8.0	200
Series 16	14.0	350	14.0	350
Series 18	14.0	350	14.0	350
Series 20	16.0	400	16.0	400
Series 22	14.0	350	14.0	350
Series 24	18.0	450	18.0	450
Series 27	0.8	850	–	–
Series 28	0.8	800	–	–
	<b>159.6</b>	<b>\$ 5,600</b>	<b>158.0</b>	<b>\$ 3,950</b>
<b>Other Equity Instruments<sup>1</sup></b>				
Limited Recourse Capital Notes – Series 1	1.8	\$ 1,750	1.8	\$ 1,750
Limited Recourse Capital Notes – Series 2	1.5	1,500	–	–
Limited Recourse Capital Notes – Series 3 <sup>2</sup>	1.7	2,403	–	–
	<b>5.0</b>	<b>5,653</b>	<b>1.8</b>	<b>1,750</b>
<b>Balance as at end of year – preferred shares and other equity instruments</b>	<b>164.6</b>	<b>\$ 11,253</b>	<b>159.8</b>	<b>\$ 5,700</b>
<b>Treasury – common shares<sup>3</sup></b>				
Balance as at beginning of year	1.9	\$ (152)	0.5	\$ (37)
Purchase of shares	116.6	(10,852)	136.8	(10,859)
Sale of shares	(117.5)	10,913	(135.4)	10,744
<b>Balance as at end of year – treasury – common shares</b>	<b>1.0</b>	<b>\$ (91)</b>	<b>1.9</b>	<b>\$ (152)</b>
<b>Treasury – preferred shares and other equity instruments<sup>3</sup></b>				
Balance as at beginning of year	0.1	\$ (10)	0.1	\$ (4)
Purchase of shares and other equity instruments	3.0	(255)	5.3	(205)
Sale of shares and other equity instruments	(3.0)	258	(5.3)	199
<b>Balance as at end of year – treasury – preferred shares and other equity instruments</b>	<b>0.1</b>	<b>\$ (7)</b>	<b>0.1</b>	<b>\$ (10)</b>

<sup>1</sup> For LRCNs, the number of shares represents the number of notes issued.

<sup>2</sup> For LRCNs – Series 3, the amount represents the Canadian dollar equivalent of the US dollar notional amount. Refer to "Preferred Shares and Other Equity Instruments – Significant Terms and Conditions" table for further details.

<sup>3</sup> When the Bank purchases its own equity instruments as part of its trading business, they are classified as treasury instruments and the cost of these instruments is recorded as a reduction in equity.

## Preferred Shares and Other Equity Instruments – Significant Terms and Conditions

(millions of Canadian dollars)

	Issue date	Annual yield (%) <sup>1</sup>	Dividend frequency <sup>1</sup>	Reset spread (%) <sup>1</sup>	Next redemption/ conversion date <sup>1,2</sup>	Convertible into <sup>1,2</sup>
<b>NVCC Rate Reset Preferred Shares</b>						
Series 1	June 4, 2014	3.662	Quarterly	2.24	October 31, 2024	Series 2
Series 3	July 31, 2014	3.681	Quarterly	2.27	July 31, 2024	Series 4
Series 5	December 16, 2014	3.876	Quarterly	2.25	January 31, 2025	Series 6
Series 7	March 10, 2015	3.201	Quarterly	2.79	July 31, 2025	Series 8
Series 9	April 24, 2015	3.242	Quarterly	2.87	October 31, 2025	Series 10
Series 16 <sup>3</sup>	July 14, 2017	6.301	Quarterly	3.01	October 31, 2027	Series 17
Series 18	March 14, 2018	4.70	Quarterly	2.70	April 30, 2023	Series 19
Series 20	September 13, 2018	4.75	Quarterly	2.59	October 31, 2023	Series 21
Series 22	January 28, 2019	5.20	Quarterly	3.27	April 30, 2024	Series 23
Series 24	June 4, 2019	5.10	Quarterly	3.56	July 31, 2024	Series 25
Series 27	April 4, 2022	5.75	Semi-annual	3.317	October 31, 2027	–
Series 28	July 25, 2022	7.232	Semi-annual	4.20	October 31, 2027	–
	Issue date	Annual yield (%)	Coupon frequency	Reset spread (%)	Next redemption/ date	Recourse to Preferred Shares <sup>4</sup>
<b>Other Equity Instruments</b>						
<i>NVCC Limited Recourse Capital Notes<sup>4,5</sup></i>						
Series 1	July 29, 2021	3.6	Semi-annual	2.747	October 31, 2026	Series 26
Series 2	September 14, 2022	7.283	Semi-annual	4.10	October 31, 2027	Series 29
Series 3 <sup>6</sup>	October 17, 2022	8.125	Quarterly	4.08	October 31, 2027	Series 30

<sup>1</sup> Non-cumulative preferred dividends for each series are payable as and when declared by the Board of Directors. The dividend rate of the Rate Reset Preferred Shares will reset on the next earliest optional redemption/conversion date and every 5 years thereafter to equal the then 5-year Government of Canada bond yield plus the noted reset spread. If converted into a series of floating rate preferred shares, the dividend rate for the quarterly period will be equal to the then 90-day Government of Canada Treasury bill yield plus the noted reset spread unless otherwise stated.

<sup>2</sup> Subject to regulatory consent and unless otherwise stated, preferred shares are redeemable on the next earliest optional redemption date as noted and every 5 years thereafter. Preferred Shares, except Series 27 and Series 28, are convertible into the corresponding series of floating rate preferred shares on the conversion date noted and every 5 years thereafter if not redeemed. If converted, the holders have the option to convert back to the original series of preferred shares every 5 years.

<sup>3</sup> On October 19, 2022, the Bank announced that none of its 14 million Non-Cumulative 5-Year Rate Reset Preferred Shares NVCC, Series 16 ("Series 16 Shares") would be converted on October 31, 2022 into Non-Cumulative Floating Rate Preferred Shares NVCC, Series 17 ("Series 17 Shares"). As had been previously

announced on October 3, 2022, the dividend rate for the Series 16 Shares for the 5-year period from and including October 31, 2022 to but excluding October 31, 2027, if declared, is payable at a per annum rate of 6.301%.

<sup>4</sup> LRCN Preferred Share Series 26 and Series 29 were issued at a price of \$1,000 per share and LRCN Preferred Share Series 30 was issued at a price of US\$1,000 per share. The LRCN Preferred Shares are eliminated on the Bank's consolidated balance sheet.

<sup>5</sup> LRCNs may be redeemed at the option of the Bank, with the prior written approval of OSFI, in whole or in part on prior notice by the Bank as of the earliest redemption date and each optional redemption date thereafter. Unless otherwise stated, the interest rate on the LRCNs will reset on the next earliest optional redemption date and every 5 years thereafter to equal the then 5-year Government of Canada bond yield plus the noted reset spread.

<sup>6</sup> LRCN Series 3 is denominated in US dollars. The interest rate on LRCN Series 3 will reset on the next interest reset date and every 5 years thereafter to equal the then 5-year US Treasury yield plus the noted reset spread.

### NVCC PROVISION

If an NVCC trigger event were to occur, for all series of Class A First Preferred Shares excluding the LRCN Preferred Shares, the maximum number of common shares that could be issued, assuming there are no declared and unpaid dividends on the respective series of preferred shares at the time of conversion, would be 1.1 billion in aggregate.

The LRCNs, by virtue of the recourse to the LRCN Preferred Shares, include NVCC provisions. For LRCNs, if an NVCC trigger were to occur, the maximum number of common shares that could be issued, assuming there are no declared and unpaid dividends on the respective series of LRCN Preferred Shares, would be 1.1 billion in aggregate.

For NVCC subordinated notes and debentures, if an NVCC trigger event were to occur, the maximum number of common shares that could be issued, assuming there is no accrued and unpaid interest on the respective subordinated notes and debentures, would be 3.2 billion in aggregate.

### DIVIDEND RESTRICTIONS

The Bank is prohibited by the *Bank Act (Canada)* from declaring dividends on its preferred or common shares if there are reasonable grounds for believing that the Bank is, or the payment would cause the Bank to be, in contravention of the capital adequacy and liquidity regulations of the *Bank Act (Canada)* or directions of OSFI. The Bank does not anticipate that this condition will restrict it from paying dividends in the normal course of business. In addition, the ability to pay dividends on common shares without the approval of the holders of the outstanding preferred shares is restricted unless all dividends on the preferred shares have been declared and paid or set apart for payment. Currently, these limitations do not restrict the payment of dividends on common shares or preferred shares.

On March 13, 2020, OSFI issued a news release announcing a series of measures to support the resilience of financial institutions in response to challenges posed by COVID-19. These measures included the expectation that all federally regulated financial institutions halt dividend increases and share buybacks. On November 4, 2021, OSFI lifted the temporary expectation that financial institutions refrain from increasing regular dividends or undertaking share repurchases, effective immediately.

### DIVIDENDS

On November 30, 2022, the Board approved a dividend in an amount of ninety-six cents (96 cents) per fully paid common share in the capital stock of the Bank for the quarter ending January 31, 2023, payable on and after January 31, 2023, to shareholders of record at the close of business on January 6, 2023.

### DIVIDEND REINVESTMENT PLAN

The Bank offers a dividend reinvestment plan for its common shareholders. Participation in the plan is optional and under the terms of the plan, cash dividends on common shares are used to purchase additional common shares. At the option of the Bank, the common shares may be issued from treasury at an average market price based on the last five trading days before the date of the dividend payment, with a discount of between 0% to 5% at the Bank's discretion or purchased from the open market at market price. The Bank had determined that, beginning with the dividend approved on May 25, 2022 for the quarter ending July 31, 2022, and until further announcement, the Bank will issue the common shares from treasury and will apply a 2% discount to the average market price of such common shares.

During the year ended October 31, 2022, under the dividend reinvestment plan, the Bank issued 2.5 million common shares from treasury with no discount and 14.5 million common shares with a 2% discount. During the year ended October 31, 2021, under the dividend reinvestment plan, the Bank issued 5.1 million common shares from treasury with no discount.

#### NORMAL COURSE ISSUER BID

On January 7, 2022, the Bank announced that the Toronto Stock Exchange and OSFI had approved the Bank's previously announced normal course issuer bid (NCIB) to repurchase for cancellation up to 50 million of its common shares.

Concurrent with the announcement of the Bank's acquisition of First Horizon on February 28, 2022, the Bank's automatic share purchase plan established under its NCIB automatically terminated pursuant to its terms.

During the six months ended April 30, 2022, the Bank repurchased 21 million common shares under the NCIB, at an average price of \$104.50 per share, for a total amount of \$2.2 billion, which represents a \$1.9 billion premium over the share capital amount. No common shares were repurchased during the balance of the year ended October 31, 2022.

## NOTE 22 INSURANCE

### INSURANCE REVENUE AND EXPENSES

Insurance revenue and expenses are presented on the Consolidated Statement of Income under insurance revenue and insurance claims and related expenses, respectively, net of impact of reinsurance. This includes

the results of property and casualty insurance, life and health insurance, as well as reinsurance assumed and ceded in Canada and internationally.

#### Insurance Revenue and Insurance Claims and Related Expenses

(millions of Canadian dollars)

For the years ended October 31

	2022	2021
<b>Insurance Revenue</b>		
Earned Premiums		
Gross	\$ 5,740	\$ 5,186
Reinsurance ceded	713	652
Net earned premiums	5,027	4,534
Fee income and other revenue <sup>1</sup>	353	343
<b>Insurance Revenue</b>	<b>5,380</b>	<b>4,877</b>
<b>Insurance Claims and Related Expenses</b>		
Gross	3,094	2,841
Reinsurance ceded	194	134
<b>Insurance Claims and Related Expenses</b>	<b>\$ 2,900</b>	<b>\$ 2,707</b>

<sup>1</sup> Ceding commissions received and paid are included within fee income and other revenue. Ceding commissions paid and netted against fee income in 2022 were \$97 million (2021 – \$85 million).

### RECONCILIATION OF CHANGES IN INSURANCE LIABILITIES

Insurance-related liabilities are comprised of gross amounts related to provision for unpaid claims (section (a) below), unearned premiums (section (b) below) and other insurance liabilities (section (c) below).

#### (a) Movement in Provision for Unpaid Claims

The following table presents movements in the property and casualty insurance provision for unpaid claims during the year.

#### Movement in Provision for Unpaid Claims

(millions of Canadian dollars)

	October 31, 2022			October 31, 2021		
	Gross	Reinsurance/ Other recoverable	Net	Gross	Reinsurance/ Other recoverable	Net
<b>Balance as at beginning of year</b>	\$ 5,096	\$ 217	\$ 4,879	\$ 5,142	\$ 246	\$ 4,896
Claims costs for current accident year	3,292	50	3,242	2,629	100	2,529
Prior accident years claims development (favourable) unfavourable	(446)	44	(490)	(354)	(13)	(341)
Increase (decrease) due to changes in assumptions:						
Discount rate	(340)	(5)	(335)	(84)	(1)	(83)
Provision for adverse deviation	(35)	–	(35)	(3)	(1)	(2)
<b>Claims and related expenses</b>	<b>2,471</b>	<b>89</b>	<b>2,382</b>	<b>2,188</b>	<b>85</b>	<b>2,103</b>
Claims paid during the year for:						
Current accident year	(1,449)	–	(1,449)	(1,085)	(33)	(1,052)
Prior accident years	(1,218)	(92)	(1,126)	(1,136)	(68)	(1,068)
	(2,667)	(92)	(2,575)	(2,221)	(101)	(2,120)
Increase (decrease) in reinsurance/other recoverables	(21)	(21)	–	(13)	(13)	–
<b>Balance as at end of year</b>	<b>\$ 4,879</b>	<b>\$ 193</b>	<b>\$ 4,686</b>	<b>\$ 5,096</b>	<b>\$ 217</b>	<b>\$ 4,879</b>

### (b) Movement in Unearned Premiums

The following table presents movements in the property and casualty insurance unearned premiums during the year.

#### Movement in Provision for Unearned Premiums

(millions of Canadian dollars)	October 31, 2022			October 31, 2021		
	Gross	Reinsurance	Net	Gross	Reinsurance	Net
<b>Balance as at beginning of year</b>	<b>\$ 2,343</b>	<b>\$ 25</b>	<b>\$ 2,318</b>	\$ 2,123	\$ 24	\$ 2,099
Written premiums	4,517	171	4,346	4,044	146	3,898
Earned premiums	(4,376)	(165)	(4,211)	(3,824)	(145)	(3,679)
<b>Balance as at end of year</b>	<b>\$ 2,484</b>	<b>\$ 31</b>	<b>\$ 2,453</b>	\$ 2,343	\$ 25	\$ 2,318

### (c) Movements in other insurance liabilities

Other insurance liabilities were \$105 million as at October 31, 2022 (October 31, 2021 – \$237 million). The decrease of \$132 million (2021 – decrease of \$88 million) was driven by payments of insurance liabilities in the property and casualty business and by interest rate movements, actuarial assumption changes, and the direct underwriting of a product that was previously underwritten on an assumed basis in the life and health business.

### PROPERTY AND CASUALTY CLAIMS DEVELOPMENT

The following table shows the estimates of cumulative claims incurred, including IBNR, with subsequent developments during the periods and together with cumulative payments to date. The original reserve estimates are evaluated monthly for redundancy or deficiency. The evaluation is based on actual payments in full or partial settlement of claims and current estimates of claims liabilities for claims still open or claims still unreported.

#### Incurred Claims by Accident Year

(millions of Canadian dollars)	Accident Year										Total
	2013 and prior	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>Net ultimate claims cost at end of accident year</b>	<b>\$ 5,569</b>	<b>\$ 2,465</b>	<b>\$ 2,409</b>	<b>\$ 2,438</b>	<b>\$ 2,425</b>	<b>\$ 2,631</b>	<b>\$ 2,727</b>	<b>\$ 2,646</b>	<b>\$ 2,529</b>	<b>\$ 3,242</b>	
<b>Revised estimates</b>											
One year later	5,476	2,334	2,367	2,421	2,307	2,615	2,684	2,499	2,367		
Two years later	5,433	2,280	2,310	2,334	2,258	2,573	2,654	2,412			
Three years later	5,281	2,225	2,234	2,264	2,201	2,522	2,575				
Four years later	5,091	2,147	2,162	2,200	2,151	2,465					
Five years later	4,996	2,084	2,115	2,159	2,108						
Six years later	4,857	2,044	2,100	2,143							
Seven years later	4,801	2,037	2,086								
Eight years later	4,802	2,030									
Nine years later	4,777										
<b>Current estimates of cumulative claims</b>	<b>4,777</b>	<b>2,030</b>	<b>2,086</b>	<b>2,143</b>	<b>2,108</b>	<b>2,465</b>	<b>2,575</b>	<b>2,412</b>	<b>2,367</b>	<b>3,242</b>	
Cumulative payments to date	(4,639)	(1,973)	(1,986)	(2,000)	(1,901)	(2,091)	(2,017)	(1,730)	(1,513)	(1,449)	
Net undiscounted provision for unpaid claims	138	57	100	143	207	374	558	682	854	1,793	\$ 4,906
Effect of discounting											(612)
Provision for adverse deviation											392
<b>Net provision for unpaid claims</b>											<b>\$ 4,686</b>

### SENSITIVITY TO INSURANCE RISK

A variety of assumptions are made related to the future level of claims, policyholder behaviour, expenses and sales levels when products are designed and priced, as well as when actuarial liabilities are determined. Such assumptions require a significant amount of professional judgment. The insurance claims provision is sensitive to certain assumptions. It has not been possible to quantify the sensitivity of certain assumptions such as legislative changes or uncertainty in the estimation process. Actual experience may differ from the assumptions made by the Bank.

For property and casualty insurance, the main assumption underlying the claims liability estimates is that past claims development experience can be used to project future claims development and hence ultimate claims costs. As such, these methods extrapolate the development of paid and incurred losses, average costs per claim, and claim numbers based on the observed development of earlier years and expected loss ratios. Claims

liabilities estimates are based on various quantitative and qualitative factors including the discount rate, the margin for adverse deviation, reinsurance, trends in claims severity and frequency, and other external drivers.

Qualitative and other unforeseen factors could negatively impact the Bank's ability to accurately assess the risk of the insurance policies that the Bank underwrites. In addition, there may be significant lags between the occurrence of an insured event and the time it is actually reported to the Bank and additional lags between the time of reporting and final settlements of claims.

The following table outlines the sensitivity of the Bank's property and casualty insurance claims liabilities to reasonably possible movements in the discount rate, the margin for adverse deviation, and the frequency and severity of claims, with all other assumptions held constant. Movements in the assumptions may be non-linear.

## Sensitivity of Critical Assumptions – Property and Casualty Insurance Contract Liabilities

(millions of Canadian dollars)

	October 31, 2022		October 31, 2021	
	Impact on net income (loss) before income taxes	Impact on equity	Impact on net income (loss) before income taxes	Impact on equity
<b>Impact of a 1% change in key assumptions</b>				
Discount rate				
Increase in assumption	\$ 101	\$ 75	\$ 126	\$ 93
Decrease in assumption	(107)	(79)	(135)	(100)
Margin for adverse deviation				
Increase in assumption	(44)	(33)	(47)	(35)
Decrease in assumption	44	33	47	35
<b>Impact of a 5% change in key assumptions</b>				
Frequency of claims				
Increase in assumption	\$ (64)	\$ (47)	\$ (56)	\$ (42)
Decrease in assumption	64	47	56	42
Severity of claims				
Increase in assumption	(222)	(165)	(226)	(167)
Decrease in assumption	222	165	226	167

For life and health insurance, the processes used to determine critical assumptions are as follows:

- Mortality, morbidity, and lapse assumptions are based on industry and historical company data.
- Expense assumptions are based on an annually updated expense study that is used to determine expected expenses for future years.
- Asset reinvestment rates are based on projected earned rates, and liabilities are calculated using the Canadian Asset Liability Method (CALM).

A sensitivity analysis for possible movements in the life and health insurance business assumptions was performed and the impact is not significant to the Bank's Consolidated Financial Statements.

### CONCENTRATION OF INSURANCE RISK

Concentration risk is the risk resulting from large exposures to similar risks that are positively correlated.

Risk associated with automobile, residential and other products may vary in relation to the geographical area of the risk insured. Exposure to concentrations of insurance risk, by type of risk, is mitigated by ceding these risks through reinsurance contracts, as well as careful selection

and implementation of underwriting strategies, which is in turn largely achieved through diversification by line of business and geographical areas. For automobile insurance, legislation is in place at a provincial level and this creates differences in the benefits provided among the provinces.

As at October 31, 2022, for the property and casualty insurance business, 68.1% of net written premiums were derived from automobile policies (October 31, 2021 – 65.8%) followed by residential with 31.6% (October 31, 2021 – 33.8%). The distribution by provinces show that business is mostly concentrated in Ontario with 51.2% of net written premiums (October 31, 2021 – 49.8%). The Western provinces represented 31.7% (October 31, 2021 – 32.5%), followed by the Atlantic provinces with 10.8% (October 31, 2021 – 10.8%), and Québec at 6.3% (October 31, 2021 – 6.9%).

Concentration risk is not a major concern for the life and health insurance business as it does not have a material level of regional specific characteristics like those exhibited in the property and casualty insurance business. Reinsurance is used to limit the liability on a single claim. Concentration risk is further limited by diversification across uncorrelated risks. This limits the impact of a regional pandemic and other concentration risks. To improve understanding of exposure to this risk, a pandemic scenario is tested annually.

## NOTE 23 SHARE-BASED COMPENSATION

### STOCK OPTION PLAN

The Bank maintains a stock option program for certain key employees. Options on common shares are granted to eligible employees of the Bank under the plan for terms of ten years and vest over a four-year period. These options provide holders with the right to purchase common shares of the Bank at a fixed price equal to the closing market price of the shares on the TSX on the day prior to the date the options were issued.

Under this plan, 9.9 million common shares have been reserved for future issuance (October 31, 2021 – 12 million). The outstanding options expire on various dates to December 12, 2031. The following table summarizes the Bank's stock option activity and related information, adjusted to reflect the impact of the 2014 stock dividend on a retrospective basis, for the years ended October 31, 2022 and October 31, 2021.

### Stock Option Activity

(millions of shares and Canadian dollars)

	2022		2021	
	Number of shares	Weighted-average exercise price	Number of shares	Weighted-average exercise price
Number outstanding, beginning of year	12.2	\$ 65.36	13.1	\$ 61.27
Granted	2.5	95.33	2.2	71.88
Exercised	(1.8)	57.65	(2.8)	50.67
Forfeited/expired	(0.1)	80.75	(0.3)	71.50
<b>Number outstanding, end of year</b>	<b>12.8</b>	<b>\$ 72.05</b>	<b>12.2</b>	<b>\$ 65.36</b>
Exercisable, end of year	4.4	\$ 60.16	4.4	\$ 54.36

The weighted-average share price for the options exercised in 2022 was \$95.47 (2021 – \$80.95).

The following table summarizes information relating to stock options outstanding and exercisable as at October 31, 2022.

### Range of Exercise Prices

(millions of shares and Canadian dollars)

	Options outstanding		Options exercisable		
	Number of shares outstanding	Weighted-average remaining contractual life (years)	Weighted-average exercise price	Number of shares exercisable	Weighted-average exercise price
\$40.54 – \$47.59	0.7	0.8	46.28	0.7	46.28
\$52.46 – \$53.15	1.5	2.6	52.84	1.5	52.84
\$65.75 – \$69.39	3.0	5.3	68.17	1.0	65.75
\$71.88 – \$72.64	3.3	6.9	72.16	1.2	72.64
\$72.84 – \$95.33	4.3	8.1	85.39	–	–

For the year ended October 31, 2022, the Bank recognized compensation expense for stock option awards of \$30.5 million (October 31, 2021 – \$25.6 million). For the year ended October 31, 2022, 2.5 million (October 31, 2021 – 2.2 million) options were granted by the Bank at a weighted-average fair value of \$12.41 per option (2021 – \$8.90 per option) estimated using a binomial tree-based valuation option pricing model.

The following table summarizes the assumptions used for estimating the fair value of options for the years ended October 31, 2022 and October 31, 2021.

### Assumptions Used for Estimating the Fair Value of Options

(in Canadian dollars, except as noted)	2022	2021
Risk-free interest rate	1.47%	0.71%
Option contractual life	10 years	10 years
Expected volatility <sup>1</sup>	17.89%	18.50%
Expected dividend yield	3.66%	3.61%
Exercise price/share price	\$ 95.33	\$ 71.88

<sup>1</sup> Expected volatility is calculated based on the average daily volatility measured over a historical period.

### OTHER SHARE-BASED COMPENSATION PLANS

The Bank operates restricted share unit and performance share unit plans which are offered to certain employees of the Bank. Under these plans, participants are awarded share units equivalent to the Bank's common shares that generally vest over three years. During the vesting period, dividend equivalents accrue to the participants in the form of additional share units. At the maturity date, the participant receives cash representing the value of the share units. The final number of performance share units will typically vary from 80% to 120% of the number of units outstanding at maturity (consisting of initial units awarded plus additional units in lieu of dividends) based on the Bank's total shareholder return relative to the average of a peer group of large Canadian financial institutions. For the year ended October 31, 2022, the Bank awarded 6.9 million of such share units at a weighted-average price of \$95.07 (2021 – 7.3 million units at a weighted-average price of \$72.81). The number of such share units outstanding under these plans as at October 31, 2022 was 21.6 million (October 31, 2021 – 22.4 million).

The Bank also offers deferred share unit plans to eligible employees and non-employee directors. Under these plans, a portion of the participant's annual incentive award may be deferred, or in the case of non-employee

directors, a portion of their annual compensation may be delivered as share units equivalent to the Bank's common shares. The deferred share units are not redeemable by the participant until termination of employment or directorship. Once these conditions are met, the deferred share units must be redeemed for cash no later than the end of the next calendar year. Dividend equivalents accrue to the participants in the form of additional units. For the year ended October 31, 2022, the Bank awarded 0.2 million deferred share units at a weighted-average price of \$94.80 (2021 – 0.2 million units at a weighted-average price of \$73.41). As at October 31, 2022, 6.8 million deferred share units were outstanding (October 31, 2021 – 6.5 million).

Compensation expense for these plans is recorded in the year the incentive award is earned by the plan participant. Changes in the value of these plans are recorded, net of the effects of related hedges, on the Consolidated Statement of Income. For the year ended October 31, 2022, the Bank recognized compensation expense, net of the effects of hedges, for these plans of \$657 million (2021 – \$511 million). The compensation expense recognized before the effects of hedges was \$768 million (2021 – \$1.3 billion). The carrying amount of the liability relating to these plans, based on the closing share price, was \$2.3 billion at October 31, 2022 (October 31, 2021 – \$2.4 billion), and is reported in Other liabilities on the Consolidated Balance Sheet.

### EMPLOYEE OWNERSHIP PLAN

The Bank also operates a share purchase plan available to Canadian employees. Employees can contribute up to 10% of their annual eligible earnings (net of source deductions) to the Employee Ownership Plan. For participating employees below the level of Vice President, the Bank matches 100% of the first \$250 of employee contributions each year and the remainder of employee contributions at 50% to an overall maximum of 3.5% of the employee's eligible earnings or \$2,250, whichever comes first. The Bank's contributions vest once an employee has completed two years of continuous service with the Bank. For the year ended October 31, 2022, the Bank's contributions totalled \$85 million (2021 – \$81 million) and were expensed as salaries and employee benefits. As at October 31, 2022, an aggregate of 23 million (October 31, 2021 – 22 million) common shares were held under the Employee Ownership Plan. The shares in the Employee Ownership Plan are purchased in the open market and are considered outstanding for computing the Bank's basic and diluted earnings per share. Dividends earned on the Bank's common shares held by the Employee Ownership Plan are used to purchase additional common shares for the Employee Ownership Plan in the open market.

**PENSION AND OTHER POST-RETIREMENT BENEFIT PLANS**

The Bank sponsors a number of pension and post-retirement benefit plans for current eligible and former employees. Pension arrangements include defined benefit pension plans, defined contribution pension plans and supplementary arrangements that provide pension benefits in excess of statutory limits. The Bank also provides certain post-retirement benefits.

The Bank's principal defined benefit pension plans, consisting of The Pension Fund Society of The Toronto-Dominion Bank (the "Society") and the defined benefit portion of the TD Pension Plan (Canada) (the "TDPP DB"), are for eligible Canadian Bank employees who elected to join the Society or the TDPP DB. The Society was closed to new members on January 30, 2009, and the TDPP DB commenced on March 1, 2009. Effective December 31, 2018, the TDPP DB was closed to new employees hired after that date. All new permanent employees hired in Canada on or after January 1, 2019 are eligible to join the defined contribution portion of the TDPP (the "TDPP DC") after one year of service. Benefits under the principal defined benefit pension plans are determined based upon the period of plan participation and the average salary of the member in the best consecutive five years in the last ten years of combined plan membership. Benefits under the TDPP DC are funded from the balance of the accumulated contributions of the member and the Bank plus the member's investment earnings. Annual expense for the TDPP DC is equal to the Bank's contributions to the plan.

Funding for the Bank's principal defined benefit pension plans is provided by contributions from the Bank and members of the plans through a separate trust. In accordance with legislation, the Bank contributes amounts, as determined on an actuarial basis, to the plans and has the ultimate responsibility for ensuring that the liabilities of the plans are adequately funded over time. Any deficits determined in the

funding valuations must generally be funded over a period not exceeding fifteen years. The Bank's funding policy is to make at least the minimum annual contributions required by legislation. Any contributions in excess of the minimum requirements are discretionary. The principal defined benefit pension plans are registered with OSFI and the Canada Revenue Agency and are subject to the acts and regulations that govern federally regulated pension plans. The 2022 and 2021 contributions were made in accordance with the actuarial valuation reports for funding purposes as at October 31, 2021 and October 31, 2020, respectively. Valuations for funding purposes are being prepared as of October 31, 2022.

Post-retirement defined benefit plans are unfunded and, where offered, generally include health care and dental benefits or, to assist with the cost, a benefits subsidy to be used to reduce the cost of coverage. Employees must meet certain age and service requirements to be eligible for post-retirement benefits and are generally required to pay a portion of the cost of the benefits. Effective June 1, 2017, the Bank's principal post-retirement defined benefit plan, covering eligible Canadian employees, was closed to new employees hired on or after that date.

**(a) INVESTMENT STRATEGY AND ASSET ALLOCATION**

The principal defined benefit pension plans are expected to each achieve a rate of return that meets or exceeds the change in value of the plan's respective liabilities over rolling five-year periods. The investments are managed with the primary objective of providing reasonable rates of return, consistent with available market opportunities, economic conditions, consideration of plan liabilities, prudent portfolio management, and the target risk profiles for the plans.

The asset allocations by asset category for the principal defined benefit pension plans are as follows:

**Plan Asset Allocation**

(millions of Canadian dollars except as noted)

	Society <sup>1</sup>				TDPP DB <sup>2</sup>			
	Target range	% of total	Fair value		Target range	% of total	Fair value	
			Quoted	Unquoted			Quoted	Unquoted
<b>As at October 31, 2022</b>								
Debt	50-80%	67%	\$ –	\$ 4,039	55-75%	74%	\$ –	\$ 2,814
Equity	0-25	8	171	318	0-30	9	126	212
Alternative investments <sup>2</sup>	6-35	25	–	1,513	5-38	17	–	641
Other <sup>3</sup>	n/a	n/a	–	(335)	n/a	n/a	–	(1,018)
<b>Total</b>		<b>100%</b>	<b>\$ 171</b>	<b>\$ 5,535</b>		<b>100%</b>	<b>\$ 126</b>	<b>\$ 2,649</b>
<b>As at October 31, 2021</b>								
Debt	40-70%	56%	\$ –	\$ 3,877	20-50%	34%	\$ –	\$ 1,023
Equity	19-45	26	589	1,238	30-60	51	461	1,055
Alternative investments <sup>2</sup>	1-30	18	–	1,279	5-40	15	–	431
Other <sup>3</sup>	n/a	n/a	–	(532)	n/a	n/a	–	(79)
<b>Total</b>		<b>100%</b>	<b>\$ 589</b>	<b>\$ 5,862</b>		<b>100%</b>	<b>\$ 461</b>	<b>\$ 2,430</b>

<sup>1</sup> The principal defined benefit pension plans invest in investment vehicles which may hold shares or debt issued by the Bank.

<sup>2</sup> The principal defined benefit pension plans' alternative investments are primarily private equity, infrastructure, and real estate funds.

<sup>3</sup> Consists mainly of amounts due to and due from brokers for securities traded but not yet settled, bond repurchase agreements, interest and dividends receivable, and Pension Enhancement Account assets, which are invested at the members' discretion in certain mutual and pooled funds.

Public debt instruments of the Bank's principal defined benefit pension plans must meet or exceed a credit rating of BBB- at the time of purchase.

The equity portfolios of the principal defined benefit pension plans are broadly diversified primarily across medium to large capitalization quality companies with no individual holding exceeding 10% of the equity portfolio or 10% of the outstanding shares of any one company. Foreign equities are included to further diversify the portfolio. A maximum of 10% of the equity portfolio can be invested in emerging market equities.

Derivatives can be utilized by the principal defined benefit pension plans provided they are not used to create financial leverage, unless the financial leverage is for risk management purposes. The principal defined benefit pension plans are permitted to invest in alternative investments, such as private equity, infrastructure equity, and real estate.

#### **(b) RISK MANAGEMENT PRACTICES**

The Bank's principal defined benefit pension plans are overseen by a single retirement governance structure established by the Human Resources Committee of the Bank's Board of Directors. The governance structure utilizes retirement governance committees who have responsibility to oversee plan operations and investments, acting in a fiduciary capacity. Strategic, material plan changes require the approval of the Bank's Board of Directors.

The principal defined benefit pension plans' investments include financial instruments which are exposed to various risks. These risks include market risk (including foreign currency, interest rate, inflation, equity price, and credit spread risks), credit risk, and liquidity risk. Key material risks faced by defined benefit plans are a decline in interest rates or credit spreads, which could increase the present value of the projected benefit obligation by more than the change in the value of plan assets, and from longevity risk (that is, lower mortality rates).

Asset-liability matching strategies are employed to focus on obtaining an appropriate balance between earning an adequate return and having changes in liability values hedged by changes in asset values.

The principal defined benefit pension plans manage these financial risks in accordance with the *Pension Benefits Standards Act, 1985*, applicable regulations, as well as the plans' written investment policies. Specific risk management practices monitored for the principal defined benefit pension plans include performance, credit exposure, and asset mix.

#### **(c) OTHER SIGNIFICANT PENSION AND POST-RETIREMENT BENEFIT PLANS**

##### **Canada Trust (CT) Pension Plan**

As a result of the acquisition of CT Financial Services Inc., the Bank sponsors a defined benefit pension plan, which is closed to new members, but for which active members continue to accrue benefits. Funding for the plan is provided by contributions from the Bank and members of the plan.

##### **TD Bank, N.A. Retirement Plans**

TD Bank, N.A. and its subsidiaries maintain a defined contribution 401(k) plan covering all employees. Annual expense is equal to the Bank's contributions to the plan.

TD Bank, N.A. also has frozen defined benefit pension plans covering certain legacy TD Banknorth and TD Auto Finance (legacy Chrysler Financial) employees. TD Bank, N.A. also has closed post-retirement benefit plans, which include limited medical coverage and life insurance benefits, covering certain groups of employees from legacy organizations.

##### **Government Pension Plans**

The Bank also makes contributions to government pension plans, including the Canada Pension Plan, Quebec Pension Plan and Social Security under the U.S. *Federal Insurance Contribution Act*.

#### **(d) DEFINED CONTRIBUTION PLAN EXPENSE**

The following table summarizes expenses for the Bank's defined contribution plans.

##### **Defined Contribution Plan Expenses**

(millions of Canadian dollars)	For the years ended October 31	
	2022	2021
Defined contribution pension plans <sup>1</sup>	\$ 195	\$ 178
Government pension plans <sup>2</sup>	412	355
<b>Total</b>	<b>\$ 607</b>	<b>\$ 533</b>

<sup>1</sup> Includes the TDPP DC and the TD Bank, N.A. defined contribution 401(k) plan.

<sup>2</sup> Includes Canada Pension Plan, Quebec Pension Plan, and Social Security under the U.S. *Federal Insurance Contributions Act*.

#### **(e) DEFINED BENEFIT PLAN FINANCIAL INFORMATION**

The following table presents the financial position of the Bank's principal pension and post-retirement defined benefit plans and the Bank's other material defined benefit pension and post-retirement benefit plans for the years ended October 31, 2022 and October 31, 2021. Other employee defined benefit plans operated by the Bank and certain of its subsidiaries are not considered material for disclosure purposes.

## Employee Defined Benefit Plans' Obligations, Assets, Funded Status, and Expense

(millions of Canadian dollars, except as noted)

	Principal pension plans		Principal post-retirement benefit plan <sup>1</sup>		Other pension and post-retirement benefit plans <sup>2</sup>	
	2022	2021	2022	2021	2022	2021
<b>Change in projected benefit obligation</b>						
Projected benefit obligation at beginning of year	\$ 8,788	\$ 9,668	\$ 466	\$ 506	\$ 2,691	\$ 2,967
Obligations included due to the TD Auto Finance (Canada) plan merger <sup>3</sup>	–	–	–	–	43	–
Service cost – benefits earned	417	522	8	9	5	8
Interest cost on projected benefit obligation	252	210	13	11	67	56
Remeasurement (gain) loss – financial	(2,610)	(1,460)	(105)	(45)	(695)	(86)
Remeasurement (gain) loss – demographic	25	–	6	–	(8)	5
Remeasurement (gain) loss – experience	194	137	(1)	(1)	22	(1)
Members' contributions	108	107	–	–	–	–
Benefits paid	(411)	(396)	(15)	(14)	(145)	(139)
Change in foreign currency exchange rate	–	–	–	–	165	(130)
Past service cost (credit)	–	–	–	–	–	11
<b>Projected benefit obligation as at October 31</b>	<b>6,763</b>	<b>8,788</b>	<b>372</b>	<b>466</b>	<b>2,145</b>	<b>2,691</b>
Wholly or partially funded projected benefit obligation	6,763	8,788	–	–	1,499	1,879
Unfunded projected benefit obligation	–	–	372	466	646	812
<b>Total projected benefit obligation as at October 31</b>	<b>6,763</b>	<b>8,788</b>	<b>372</b>	<b>466</b>	<b>2,145</b>	<b>2,691</b>
<b>Change in plan assets</b>						
Plan assets at fair value at beginning of year	9,342	8,240	–	–	1,967	2,046
Assets included due to the TD Auto Finance (Canada) plan merger <sup>3</sup>	–	–	–	–	48	–
Interest income on plan assets	276	186	–	–	46	37
Remeasurement gain (loss) – return on plan assets less interest income	(1,200)	740	–	–	(533)	106
Members' contributions	108	107	–	–	–	–
Employer's contributions	375	474	15	14	36	38
Benefits paid	(411)	(396)	(15)	(14)	(145)	(139)
Change in foreign currency exchange rate	–	–	–	–	163	(118)
Defined benefit administrative expenses	(9)	(9)	–	–	(2)	(3)
<b>Plan assets at fair value as at October 31</b>	<b>8,481</b>	<b>9,342</b>	<b>–</b>	<b>–</b>	<b>1,580</b>	<b>1,967</b>
Excess (deficit) of plan assets at fair value over projected benefit obligation	1,718	554	(372)	(466)	(565)	(724)
Effect of asset limitation and minimum funding requirement	(384)	–	–	–	(16)	(12)
<b>Net defined benefit asset (liability)</b>	<b>1,334</b>	<b>554</b>	<b>(372)</b>	<b>(466)</b>	<b>(581)</b>	<b>(736)</b>
Recorded in						
Other assets in the Bank's Consolidated Balance Sheet	1,334	554	–	–	72	79
Other liabilities in the Bank's Consolidated Balance Sheet	–	–	(372)	(466)	(653)	(815)
<b>Net defined benefit asset (liability)</b>	<b>1,334</b>	<b>554</b>	<b>(372)</b>	<b>(466)</b>	<b>(581)</b>	<b>(736)</b>
<b>Annual expense</b>						
Net employee benefits expense includes the following:						
Service cost – benefits earned	417	522	8	9	5	8
Net interest cost (income) on net defined benefit liability (asset)	(24)	24	13	11	21	19
Past service cost (credit)	–	–	–	–	–	11
Defined benefit administrative expenses	9	11	–	–	3	3
<b>Total</b>	<b>\$ 402</b>	<b>\$ 557</b>	<b>\$ 21</b>	<b>\$ 20</b>	<b>\$ 29</b>	<b>\$ 41</b>
<b>Actuarial assumptions used to determine the annual expense</b>						
Weighted-average discount rate for projected benefit obligation	3.50%	2.85%	3.43%	2.76%	2.99%	2.74%
Weighted-average rate of compensation increase	2.46%	2.53%	2.80%	3.00%	0.98%	1.03%
Assumed life expectancy at age 65, in years						
Male aged 65	23.5	23.4	23.5	23.4	21.6	21.5
Female aged 65	24.2	24.2	24.2	24.2	23.1	23.1
Male aged 45	24.4	24.4	24.4	24.4	22.3	22.2
Female aged 45	25.1	25.1	25.1	25.1	24.0	23.9
<b>Actuarial assumptions used to determine the projected benefit obligation as at October 31</b>						
Weighted-average discount rate for projected benefit obligation	5.44%	3.50%	5.45%	3.43%	5.58%	2.99%
Weighted-average rate of compensation increase	2.88%	2.46%	3.25%	2.80%	1.14%	0.98%
Assumed life expectancy at age 65, in years						
Male aged 65	23.2	23.5	23.2	23.5	21.7	21.6
Female aged 65	24.3	24.2	24.3	24.2	23.3	23.1
Male aged 45	24.1	24.4	24.1	24.4	22.3	22.3
Female aged 45	25.2	25.1	25.2	25.1	24.1	24.0

<sup>1</sup> The rate of increase for health care costs for the next year used to measure the expected cost of benefits covered for the principal post-retirement defined benefit plan is 2.99%. The rate is assumed to decrease gradually to 1.08% by the year 2040 and remain at that level thereafter (2021 – 3.13% grading to 1.08% by the year 2040 and remain at that level thereafter).

<sup>2</sup> Includes CT defined benefit pension plan, TD Banknorth defined benefit pension plan, TD Auto Finance defined benefit pension and post-retirement benefit plans, and supplemental employee defined benefit pension plans.

<sup>3</sup> During 2022, the TD Auto Finance (Canada) pension plan ("TDAF Canada") was deemed to be merged with the CT defined benefit pension plan and previously undisclosed obligations and assets of TDAF Canada are now included in the fiscal 2022 disclosure.

The Bank recognized the following amounts on the Consolidated Balance Sheet.

#### Amounts Recognized in the Consolidated Balance Sheet

	As at	
	October 31 2022	October 31 2021
<b>Other assets</b>		
Principal defined benefit pension plans	\$ 1,334	\$ 554
Other defined benefit pension and post-retirement benefit plans	72	79
Other employee benefit plans <sup>1</sup>	-	4
<b>Total</b>	<b>1,406</b>	<b>637</b>
<b>Other liabilities</b>		
Principal post-retirement defined benefit plan	372	466
Other defined benefit pension and post-retirement benefit plans	653	815
Other employee benefit plans <sup>1</sup>	261	311
<b>Total</b>	<b>1,286</b>	<b>1,592</b>
<b>Net amount recognized</b>	<b>\$ 120</b>	<b>\$ (955)</b>

<sup>1</sup> Consists of other pension and other post-retirement benefit plans operated by the Bank and its subsidiaries that are not considered material for disclosure purposes.

The following table summarizes the remeasurements recognized in OCI for the Bank's principal pension and post-retirement defined benefit plans and the Bank's other pension and post-retirement benefit plans.

#### Amounts Recognized in Other Comprehensive Income for Remeasurement of Defined Benefit Plans<sup>1,2</sup>

	Principal pension plans		Principal post-retirement benefit plan		Other pension and post-retirement benefit plans	
	For the years ended October 31					
	2022	2021	2022	2021	2022	2021
Remeasurement gains (losses) – financial	\$ 2,610	\$ 1,460	\$ 105	\$ 45	\$ 695	\$ 86
Remeasurement gains (losses) – demographic	(25)	-	(6)	-	8	(5)
Remeasurement gains (losses) – experience	(194)	(137)	1	1	(22)	1
Remeasurement gains (losses) – return on plan assets less interest income	(1,200)	742	-	-	(532)	106
Changes in asset limitation and minimum funding requirement	(384)	-	-	-	(4)	2
<b>Total</b>	<b>\$ 807</b>	<b>\$ 2,065</b>	<b>\$ 100</b>	<b>\$ 46</b>	<b>\$ 145</b>	<b>\$ 190</b>

<sup>1</sup> Amounts are presented on a pre-tax basis.

<sup>2</sup> Excludes net remeasurement gains (losses) recognized in OCI in respect of other employee defined benefit plans operated by the Bank and certain of its subsidiaries not considered material for disclosure purposes totaling \$53 million (2021 – \$121 million).

#### (f) CASH FLOWS

During the year ended October 31, 2023, the Bank expects to contribute \$214 million to its principal defined benefit pension plans, \$20 million to its principal post-retirement defined benefit plan, and \$47 million to its other defined benefit pension and post-retirement benefit plans.

Future contribution amounts may change upon the Bank's review of its contribution levels during the year.

The following table summarizes the expected future benefit payments for the next 10 years.

#### Expected Future Benefit Payments

	For the years ended October 31		
	Principal pension plans	Principal post-retirement benefit plan	Other pension and post-retirement benefit plans
<b>Benefit payments expected to be paid in:</b>			
2023	\$ 360	\$ 20	\$ 157
2024	380	21	159
2025	400	22	161
2026	421	23	162
2027	441	24	163
2028-2032	2,486	133	804
<b>Total</b>	<b>\$ 4,488</b>	<b>\$ 243</b>	<b>\$ 1,606</b>

### (g) MATURITY PROFILE

The breakdown of the projected benefit obligations between active, deferred, and retired members is as follows:

#### Disaggregation of Projected Benefit Obligation

(millions of Canadian dollars)

	Principal pension plans		Principal post-retirement benefit plan		Other pension and post-retirement benefit plans	
	2022	2021	2022	2021	2022	2021
Active members	\$ 4,427	\$ 6,048	\$ 143	\$ 191	\$ 272	\$ 375
Deferred members	466	596	–	–	349	497
Retired members	1,870	2,144	229	275	1,524	1,819
<b>Total</b>	<b>\$ 6,763</b>	<b>\$ 8,788</b>	<b>\$ 372</b>	<b>\$ 466</b>	<b>\$ 2,145</b>	<b>\$ 2,691</b>

The weighted-average duration of the projected benefit obligations is as follows:

#### Duration of Projected Benefit Obligation

(number of years)

	Principal pension plans		Principal post-retirement benefit plan		Other pension and post-retirement benefit plans	
	2022	2021	2022	2021	2022	2021
<b>Weighted-average duration</b>	<b>14</b>	<b>15</b>	<b>12</b>	<b>14</b>	<b>10</b>	<b>12</b>

### (h) SENSITIVITY ANALYSIS

The following table provides the sensitivity of the projected benefit obligation for the Bank's principal defined benefit pension plans, the principal post-retirement defined benefit plan, and the Bank's significant other defined benefit pension and post-retirement benefit plans to actuarial assumptions considered significant by the Bank. These include discount rate, rates of compensation increase, life expectancy, and health

care cost initial trend rates, as applicable. The sensitivity analysis provided in the table should be used with caution, as it is hypothetical and the impact of changes in each significant assumption may not be linear. For each sensitivity test, the impact of a reasonably possible change in a single factor is shown with other assumptions left unchanged. Actual experience may result in simultaneous changes in a number of key assumptions, which could magnify or diminish certain sensitivities.

#### Sensitivity of Significant Defined Benefit Plan Actuarial Assumptions

(millions of Canadian dollars, except as noted)

	As at		
	October 31, 2022		
	Obligation Increase (Decrease)		
	Principal pension plans	Principal post-retirement benefit plan	Other pension and post-retirement benefit plans
<b>Impact of an absolute change in significant actuarial assumptions</b>			
Discount rate			
1% decrease in assumption	\$ 996	\$ 47	\$ 225
1% increase in assumption	(790)	(38)	(190)
Rates of compensation increase			
1% decrease in assumption	(199)	– <sup>1</sup>	– <sup>1</sup>
1% increase in assumption	183	– <sup>1</sup>	– <sup>1</sup>
Life expectancy			
1 year decrease in assumption	(117)	(9)	(63)
1 year increase in assumption	114	9	62
Health care cost initial trend rate			
1% decrease in assumption	n/a	(6)	– <sup>1</sup>
1% increase in assumption	n/a	7	– <sup>1</sup>

<sup>1</sup> An absolute change in this assumption is immaterial.

The provision for (recovery of) income taxes is comprised of the following:

### Provision for (Recovery of) Income Taxes

(millions of Canadian dollars)

	For the years ended October 31	
	2022	2021
<b>Provision for (recovery of) income taxes – Consolidated Statement of Income</b>		
<b>Current income taxes</b>		
Provision for (recovery of) income taxes for the current period	\$ 3,793	\$ 3,370
Adjustments in respect of prior years and other	(309)	(7)
<b>Total current income taxes</b>	<b>3,484</b>	<b>3,363</b>
<b>Deferred income taxes</b>		
Provision for (recovery of) deferred income taxes related to the origination and reversal of temporary differences	213	332
Effect of changes in tax rates	43	2
Adjustments in respect of prior years and other	246	(76)
<b>Total deferred income taxes</b>	<b>502</b>	<b>258</b>
<b>Total provision for (recovery of) income taxes – Consolidated Statement of Income</b>	<b>3,986</b>	<b>3,621</b>
<b>Provision for (recovery of) income taxes – Statement of Other Comprehensive Income</b>		
Current income taxes	(3,189)	916
Deferred income taxes	(423)	(99)
<b>Total provision for (recovery of) income taxes – Statement of Other Comprehensive Income</b>	<b>(3,612)</b>	<b>817</b>
<b>Income taxes – other non-income related items including business combinations and other adjustments</b>		
Current income taxes	31	(13)
Deferred income taxes	(15)	(20)
	16	(33)
<b>Total provision for (recovery of) income taxes</b>	<b>390</b>	<b>4,405</b>
<b>Current income taxes</b>		
Federal	(129)	2,226
Provincial	(36)	1,548
Foreign	491	492
	326	4,266
<b>Deferred income taxes</b>		
Federal	395	232
Provincial	263	160
Foreign	(594)	(253)
	64	139
<b>Total provision for (recovery of) income taxes</b>	<b>\$ 390</b>	<b>\$ 4,405</b>

The Bank's statutory and effective tax rate is outlined in the following table.

### Reconciliation to Statutory Income Tax Rate

(millions of Canadian dollars, except as noted)

	2022		2021	
Income taxes at Canadian statutory income tax rate	\$ 5,363	26.3%	\$ 4,498	26.3%
Increase (decrease) resulting from:				
Dividends received	(123)	(0.6)	(120)	(0.7)
Rate differentials on international operations	(1,117)	(5.5)	(787)	(4.6)
Other – net	(137)	(0.7)	30	0.1
<b>Provision for income taxes and effective income tax rate</b>	<b>\$ 3,986</b>	<b>19.5%</b>	<b>\$ 3,621</b>	<b>21.1%</b>

The Canada Revenue Agency (CRA), Revenu Québec Agency (RQA) and Alberta Tax and Revenue Administration (ATRA) are denying certain dividend and interest deductions claimed by the Bank. During the year ended October 31, 2022, the CRA reassessed the Bank for \$614 million of additional income tax and interest in respect of its 2016 and 2017 taxation years, and the ATRA reassessed the Bank for \$20 million of additional income tax and interest in respect of its 2016 taxation year. As at October 31, 2022, the CRA has reassessed the Bank for \$1,646 million of income tax and interest for the years 2011 to 2017, the RQA has reassessed the Bank for \$34 million for the years 2011 to 2015, and the ATRA has reassessed the Bank for \$54 million for the years 2011 to 2016. In total, the Bank has been reassessed for \$1,734 million of income tax

and interest. The Bank expects to continue to be reassessed for open years. The Bank is of the view that its tax filing positions were appropriate and intends to challenge all reassessments.

### Proposed Tax Measures in the Canadian Federal Budget

The Canadian Federal budget presented on April 7, 2022, proposed to introduce a one-time tax on bank and life insurer groups, referred to as the Canada Recovery Dividend (CRD), and an additional permanent tax. On November 22, 2022, the legislation to implement the CRD and the additional permanent tax completed second reading in the House of Commons.

The legislation proposes the CRD to be a 15% tax on an average of 2020 and 2021 taxable income above \$1 billion, paid in equal instalments over five years. The additional permanent tax is proposed to be 1.5% of taxable income above \$100 million. It would be prorated for the first taxation year that ends after April 7, 2022, and will result in revaluation adjustments to the deferred tax assets and liabilities. These taxes, if enacted as proposed,

will result in higher amounts of taxes payable in each of the impacted years. The Bank is continuing to monitor the status of the legislation and will recognize the impact of the legislation when it is substantively enacted.

Deferred tax assets and liabilities comprise of the following:

### Deferred Tax Assets and Liabilities

(millions of Canadian dollars)

	October 31 2022	October 31 2021
<b>Deferred tax assets</b>		
Allowance for credit losses	\$ 1,339	\$ 1,371
Trading loans	28	35
Employee benefits	757	863
Losses available for carry forward	62	69
Tax credits	41	35
Land, buildings, equipment, and other depreciable assets	280	146
Intangibles	–	182
Other	257	230
<b>Total deferred tax assets</b>	<b>2,764</b>	<b>2,931</b>
<b>Deferred tax liabilities</b>		
Securities	195	657
Pensions	184	75
Deferred (income) expense	227	48
Intangibles	47	–
Goodwill	154	130
<b>Total deferred tax liabilities</b>	<b>807</b>	<b>910</b>
<b>Net deferred tax assets</b>	<b>1,957</b>	<b>2,021</b>
<b>Reflected on the Consolidated Balance Sheet as follows:</b>		
Deferred tax assets	2,193	2,265
Deferred tax liabilities <sup>1</sup>	236	244
<b>Net deferred tax assets</b>	<b>\$ 1,957</b>	<b>\$ 2,021</b>

<sup>1</sup> Included in Other liabilities on the Consolidated Balance Sheet.

The amount of temporary differences, unused tax losses, and unused tax credits for which no deferred tax asset is recognized on the Consolidated Balance Sheet was \$594 million as at October 31, 2022 (October 31, 2021 – \$668 million), of which \$9 million (October 31, 2021 – \$25 million) is scheduled to expire within five years.

Certain taxable temporary differences associated with the Bank's investments in subsidiaries, branches and associates, and interests in joint

ventures did not result in the recognition of deferred tax liabilities as at October 31, 2022. The total amount of these temporary differences was \$98 billion as at October 31, 2022 (October 31, 2021 – \$80 billion).

The movement in the net deferred tax asset for the years ended October 31, 2022 and October 31, 2021, was as follows:

### Deferred Income Tax Expense (Recovery)

(millions of Canadian dollars)

	2022				2021			
	Consolidated statement of income	Other comprehensive income	Business combinations and other	Total	Consolidated statement of income	Other comprehensive income	Business combinations and other	Total
<b>Deferred income tax expense (recovery)</b>								
Allowance for credit losses	\$ 32	\$ –	\$ –	\$ 32	\$ 335	\$ –	\$ –	\$ 335
Trading loans	7	–	–	7	9	–	–	9
Employee benefits	55	51	–	106	(46)	17	–	(29)
Losses available for carry forward	7	–	–	7	27	–	–	27
Tax credits	(6)	–	–	(6)	98	–	–	98
Land, buildings, equipment, and other depreciable assets	(134)	–	–	(134)	(35)	–	–	(35)
Other deferred tax assets	(12)	–	(15)	(27)	25	–	(20)	5
Securities	251	(713)	–	(462)	(14)	(733)	–	(747)
Pensions	(130)	239	–	109	(26)	617	–	591
Deferred (income) expense	179	–	–	179	(25)	–	–	(25)
Intangibles	229	–	–	229	(95)	–	–	(95)
Goodwill	24	–	–	24	5	–	–	5
<b>Total deferred income tax expense (recovery)</b>	<b>\$ 502</b>	<b>\$ (423)</b>	<b>\$ (15)</b>	<b>\$ 64</b>	<b>\$ 258</b>	<b>\$ (99)</b>	<b>\$ (20)</b>	<b>\$ 139</b>

**NOTE 26 EARNINGS PER SHARE**

Basic earnings per share is calculated by dividing net income attributable to common shareholders by the weighted-average number of common shares outstanding for the period.

Diluted earnings per share is calculated using the same method as basic earnings per share except that certain adjustments are made to net income attributable to common shareholders and the weighted-average

number of shares outstanding for the effects of all dilutive potential common shares that are assumed to be issued by the Bank.

The following table presents the Bank's basic and diluted earnings per share for the years ended October 31, 2022 and October 31, 2021.

**Basic and Diluted Earnings Per Share**

(millions of Canadian dollars, except as noted)	For the years ended October 31	
	2022	2021
<b>Basic earnings per share</b>		
Net income attributable to common shareholders	\$ 17,170	\$ 14,049
Weighted-average number of common shares outstanding (millions)	1,810.5	1,817.7
<b>Basic earnings per share (Canadian dollars)</b>	<b>\$ 9.48</b>	<b>\$ 7.73</b>
<b>Diluted earnings per share</b>		
Net income attributable to common shareholders	\$ 17,170	\$ 14,049
Net income available to common shareholders including impact of dilutive securities	17,170	14,049
Weighted-average number of common shares outstanding (millions)	1,810.5	1,817.7
Effect of dilutive securities		
Stock options potentially exercisable (millions) <sup>1</sup>	3.1	2.5
Weighted-average number of common shares outstanding – diluted (millions)	1,813.6	1,820.2
<b>Diluted earnings per share (Canadian dollars)<sup>1</sup></b>	<b>\$ 9.47</b>	<b>\$ 7.72</b>

<sup>1</sup> For the year ended October 31, 2022, the computation of diluted earnings per share excluded average options outstanding of 2.1 million with an exercise price of \$95.33, as the option price was greater than the average market price of the Bank's common shares. For the year ended October 31, 2021, no outstanding options were excluded from the computation of diluted earnings per share.

**NOTE 27 PROVISIONS, CONTINGENT LIABILITIES, COMMITMENTS, GUARANTEES, PLEDGED ASSETS, AND COLLATERAL**

**(a) PROVISIONS**

The following table summarizes the Bank's provisions recorded in other liabilities.

**Provisions**

(millions of Canadian dollars)	Restructuring	Litigation and Other <sup>1</sup>	Total
Balance as at November 1, 2021	\$ 57	\$ 391	\$ 448
Additions	3	167	170
Amounts used	(23)	(163)	(186)
Release of unused amounts	(32)	(35)	(67)
Foreign currency translation adjustments and other	2	22	24
<b>Balance as at October 31, 2022, before allowance for credit losses for off-balance sheet instruments</b>	<b>\$ 7</b>	<b>\$ 382</b>	<b>\$ 389</b>
Add: Allowance for credit losses for off-balance sheet instruments <sup>2</sup>			931
<b>Balance as at October 31, 2022</b>			<b>\$ 1,320</b>

<sup>1</sup> Includes onerous contracts for non-lease payments including taxes and estimated operating expenses which are included in Occupancy, including depreciation on the Consolidated Statement of Income.

<sup>2</sup> Refer to Note 8 for further details.

**(b) LEGAL AND REGULATORY MATTERS**

**LITIGATION**

In the ordinary course of business, the Bank and its subsidiaries are involved in various legal and regulatory actions, including but not limited to civil claims and lawsuits, regulatory examinations, investigations, audits and requests for information by governmental, regulatory and self-regulatory agencies and law enforcement authorities in various jurisdictions. The Bank establishes provisions when it becomes probable that the Bank will incur a loss and the amount can be reliably estimated. The Bank also estimates the aggregate range of reasonably possible losses (RPL) in its legal and regulatory actions (that is, those which are neither probable nor remote), in excess of provisions. As at October 31, 2022, the Bank's RPL is from zero to approximately \$1.26 billion (October 31, 2021 – from zero to approximately

\$1.45 billion). The Bank's provisions and RPL represent the Bank's best estimates based upon currently available information for actions for which estimates can be made, but there are a number of factors that could cause the Bank's provisions and/or RPL to be significantly different from its actual or RPL. For example, the Bank's estimates involve significant judgment due to the varying stages of the proceedings, the existence of multiple defendants in many proceedings whose share of liability has yet to be determined, the numerous yet-unresolved issues in many of the proceedings, some of which are beyond the Bank's control and/or involve novel legal theories and interpretations, the attendant uncertainty of the various potential outcomes of such proceedings, and the fact that the underlying matters will change from time to time. In addition, some actions seek very large or indeterminate damages.

In management's opinion, based on its current knowledge and after consultation with counsel, the ultimate disposition of these actions, individually or in the aggregate, will not have a material adverse effect on the consolidated financial condition or the consolidated cash flows of the Bank. However, because of the factors listed above, as well as other uncertainties inherent in litigation and regulatory matters, there is a possibility that the ultimate resolution of legal or regulatory actions may be material to the Bank's consolidated results of operations for any particular reporting period.

**Stanford Litigation** – The Bank was named as a defendant in *Rotstain v. Trustmark National Bank, et al.*, a putative class action lawsuit in the United States District Court for the Northern District of Texas related to a US\$7.2 billion Ponzi scheme perpetrated by R. Allen Stanford, the owner of Stanford International Bank, Limited (SIBL), an offshore bank based in Antigua. Plaintiffs purport to represent a class of investors in SIBL issued certificates of deposit. The Bank provided certain correspondent banking services to SIBL. Plaintiffs allege that the Bank and four other banks aided and abetted or conspired with Mr. Stanford to commit fraud and that the bank defendants received fraudulent transfers from SIBL by collecting fees for providing certain services.

The Official Stanford Investors Committee (OSIC), a court-approved committee representing investors, received permission to intervene in the lawsuit and has brought similar claims against all the bank defendants.

The court denied in part and granted in part the Bank's motion to dismiss the lawsuit on April 21, 2015. The court also entered a class certification scheduling order requiring the parties to conduct discovery and submit briefing regarding class certification. The class certification motion was fully submitted on October 26, 2015. The class plaintiffs filed an amended complaint asserting certain additional state law claims against the Bank on June 23, 2015. The Bank's motion to dismiss the newly amended complaint in its entirety was fully submitted on August 18, 2015. On April 22, 2016, the Bank filed a motion to reconsider the court's April 2015 dismissal decision with respect to certain claims by OSIC under the Texas Uniform Fraudulent Transfer Act based on an intervening change in the law announced by the Texas Supreme Court on April 1, 2016. On July 28, 2016, the court issued a decision denying defendants' motions to dismiss the class plaintiffs' complaint and to reconsider with respect to OSIC's complaint. The Bank filed its answer to the class plaintiffs' complaint on August 26, 2016. OSIC filed an amended intervenor complaint against the Bank on November 4, 2016 and the Bank filed its answer to this amended complaint on December 19, 2016.

On November 7, 2017, the Court issued a decision denying the class certification motion. The court found that the plaintiffs failed to show that common issues of fact would predominate given the varying sales presentations they allegedly received.

On November 21, 2017, the class plaintiffs filed a Rule 23(f) petition seeking permission to appeal the District Court's denial of class certification to the United States Court of Appeals for the Fifth Circuit. The Bank filed an opposition to the class plaintiffs' petition on December 4, 2017. The Fifth Circuit denied the class plaintiffs' petition on April 20, 2018.

On February 28, 2019, the Bank, along with the other bank defendants, filed a motion for judgment on the pleadings in OSIC's case seeking dismissal of three claims (aiding and abetting fraud, aiding and abetting conversion, and aiding and abetting breach of fiduciary duty). The motion was fully briefed as of April 4, 2019. On September 10, 2019, OSIC filed a motion for leave to amend its intervenor complaints against the Bank and the other bank defendants to insert additional factual allegations. The motion was fully briefed as of October 15, 2019. On June 15, 2020, the Northern District of Texas (N.D. Tex.) court granted OSIC's motion for leave to amend its intervenor complaints against the Bank and the other bank defendants, and OSIC's Second Amended Intervenor Complaint against the Bank and certain other bank defendants was filed on that same date. On July 10, 2020, the N.D. Tex. court so-ordered the parties' agreed motion extending the Bank's time to respond to the Second Amended Intervenor Complaint until July 31, 2020. On July 31, 2020, the Bank filed its answer to the Second Amended Intervenor Complaint. On July 7, 2020, the Bank, along with the other defendants, requested to withdraw the motion for judgment on the pleadings, and the court issued an order finding the motion moot on August 14, 2020.

On May 3, 2019, two groups of plaintiffs comprising more than 950 investors in certificates of deposit issued by SIBL, and those who purchased one or more of such investors' claims, filed motions to intervene in OSIC's case against the Bank and the other bank defendants. On September 18, 2019, the Court denied the motions to intervene. On October 14, 2019, one group of plaintiffs (comprising 147 investors) filed a notice of appeal to the Fifth Circuit, and briefing was complete on the appeal as of April 8, 2020. On October 7, 2020, the Fifth Circuit heard oral argument on the appeal. On February 3, 2021, the Fifth Circuit affirmed the Court's denial of intervention. On February 17, 2021, the Bank and the other bank appellees filed a petition for rehearing of the Fifth Circuit's decision regarding OSIC's standing to pursue the intervenors' claims. On March 12, 2021, the Fifth Circuit denied the petition for rehearing, but clarified its prior holding regarding OSIC's standing to pursue the intervenors' claims.

On November 1, 2019, a second group of plaintiffs (comprising 1,286 investors) filed a petition in Texas state court against the Bank and other bank defendants, captioned *Smith v. Independent Bank, et al.*, alleging claims similar to those alleged in the *Rotstain v. Trustmark National Bank, et al.* action. On November 26, 2019, the U.S. Receiver for the Stanford Receivership Estate filed a motion to enjoin the Texas state court action in the United States District Court for the N.D. Tex. On January 15, 2020, the Court granted the U.S. Receiver's motion to enjoin the Texas state court action. On February 26, 2020, another defendant bank removed the Texas state court action to the United States District Court for the Southern District of Texas (S.D. Tex.). On April 13, 2020, the removing bank defendant and plaintiffs requested that the S.D. Tex. court stay the action for an initial period of 120 days. On April 20, 2020, the S.D. Tex. court stayed all case deadlines until August 14, 2020. On July 14, 2020, the removing bank defendant and plaintiffs requested that the S.D. Tex. court extend the stay of the action for an additional period of 90 days. On July 19, 2020, the S.D. Tex. court extended the stay until November 14, 2020. On October 30, 2020, the removing bank defendant and plaintiffs requested that the S.D. Tex. court extend the stay of the action for an additional period of 60 days. On November 30, 2020, the S.D. Tex. court stayed and administratively closed *Smith v. Independent Bank, et al.*, subject to reinstatement on the parties' motion. On January 29, 2021, the removing bank defendant and plaintiffs requested that the S.D. Tex. Court extend the current stay and administrative closure for an additional period of 60 days. On February 1, 2021, the S.D. Tex. court granted the request. On April 2, 2021, the S.D. Tex. court granted a further stay until July 31, 2021, and the case remains administratively closed. A joint status report was filed in the Smith action on January 31, 2022. In the report, the removing bank defendant requested a status conference to address how to resolve the overlapping issues with the Rotstain litigation. Plaintiffs requested that the Smith matter should continue to be stayed. On August 8, 2022, the Court issued an order keeping the Smith action administratively closed and directing the parties to continue to file biannual reports.

On February 12, 2021, the Bank and the other bank defendants filed motions for summary judgment in *Rotstain v. Trustmark National Bank, et al.*, and briefing was complete on the motions as of April 9, 2021.

On March 19, 2021, plaintiffs in *Rotstain v. Trustmark National Bank, et al.* filed a notice abandoning four of the seven claims asserted against the Bank: (i) aiding, abetting, or participation in fraudulent transfers; (ii) aiding, abetting or participation in a fraudulent scheme; (iii) aiding, abetting or participation in conversion; and (iv) civil conspiracy. On March 25, 2021, the N.D. Tex. court struck the May 6, 2021 ready-for-trial date to allow the trial court to set appropriate deadlines after remand.

On August 9, 2021, the Bank filed a motion for leave to file a second motion for summary judgment on the grounds that the remaining claims asserted by OSIC are precluded by the Ontario Superior Court of Justice's June 8, 2021 judgment. The motion was fully briefed as of September 13, 2021.

On January 20, 2022, the Court issued an order granting in part and denying in part the Bank's motion for summary judgment. Also on January 20, 2022, the Rotstain Court issued a Suggestion of Remand that recommended to the Judicial Panel on Multidistrict Litigation (JPML) that the Rotstain matter be remanded for further proceedings to the Southern

District of Texas. That day, the JPML issued a Conditional Remand Order, which took effect on January 27, 2022. On March 10, 2022, the Rotstain matter was transferred to the Southern District of Texas.

On April 29, 2022, the bank defendants, including the Bank, moved to dismiss certain of plaintiffs' claims for lack of jurisdiction and lack of standing. Briefing on the bank defendants' motion to dismiss was completed on May 27, 2022.

On May 23, 2022, the Bank also filed a motion for summary judgment on the grounds that all of the claims asserted by the OSIC are precluded by the Ontario Superior Court of Justice's June 8, 2021 judgment. On June 13, 2022, OSIC filed an opposition to the Bank's summary judgment motion and cross-moved for summary judgment on the Bank's affirmative defenses of res judicata and collateral estoppel. Briefing on the motions was completed on July 12, 2022.

On June 9, 2022, the Court entered an order setting the Rotstain matter for trial beginning on February 27, 2023.

On October 3, 2022, the Court entered orders denying the bank defendants', including the Bank's, motions to exclude the testimony of Plaintiffs' expert witnesses. On October 20-21, 2022, the Court entered orders granting in part and denying in part Plaintiffs' motions to exclude the testimony of certain of the bank defendants' expert witnesses.

The Bank was also a defendant in two cases filed in the Ontario Superior Court of Justice: (1) *McDonald v. The Toronto-Dominion Bank*, an action filed by the Joint Liquidators of SIBL appointed by the Eastern Caribbean Supreme Court, and (2) *Dynasty Furniture Manufacturing Ltd., et al. v. The Toronto Dominion Bank*, an action filed by five investors in certificates of deposits sold by Stanford. The suits asserted that the Bank acted negligently and provided knowing assistance to SIBL's fraud. The trial of both actions took place from January 11, 2021 to April 29, 2021. On June 8, 2021, the Superior Court rendered judgment dismissing both actions. On July 8, 2021, the Joint Liquidators filed an appeal of their action in the Court of Appeal for Ontario. There is no appeal in the Dynasty Furniture action. The hearing of the appeal in the Joint Liquidators' action took place on April 20-21, 2022. The Court of Appeal for Ontario has taken the matter under reserve and will issue a written decision in due course.

**TD Ameritrade Stockholder Litigation** – On May 12, 2020, a stockholder of TD Ameritrade Holding Corporation ("Ameritrade") filed a class action complaint captioned *Hawkes v. Bettino, et al.*, CA No. 2020-0360-PAF, in the Delaware Court of Chancery challenging the transaction between Ameritrade and The Charles Schwab Corporation ("Schwab"). Among other claims, the initial complaint alleged that the merger was subject to Delaware's interested stockholder statute but violated that statute because it had not been conditioned on approval of 66 2/3% of Ameritrade's shares, excluding those held by the Bank and Schwab. On June 4, 2020, a sufficient percentage of Ameritrade's shares were voted to approve the transaction and the plaintiff thereafter dismissed that claim. On February 5, 2021, the plaintiff filed an amended complaint naming as defendants the Bank, certain TD Bank-affiliated entities, the five former Ameritrade directors designated by the Bank, certain other former officers and directors of Ameritrade, and Schwab. The amended complaint alleges that the Bank was a controlling stockholder of Ameritrade and breached its fiduciary duties by negotiating an amended Insured Deposit Account Agreement with Schwab that improperly diverted merger consideration from Ameritrade's other stockholders. The amended complaint further asserts breach of fiduciary duty claims against the Bank-designated directors and the other individual defendants based on the same allegations. Finally, the amended complaint alleges that Schwab aided and abetted the breaches by the other defendants. On April 29, 2021, all defendants moved to dismiss the complaint for failure to state a claim. The motion to dismiss hearing occurred on November 18, 2021.

On January 20, 2022, the parties (i.e., plaintiff and all defendants) informed the Court that they had reached an agreement in principle to resolve the action subject to the parties' ability to satisfy certain conditions and their submission of a stipulation memorializing the settlement within 45 days. On March 25, 2022, the parties (i.e., plaintiff and all defendants) filed their stipulation and agreement of settlement,

compromise and release. The Court held a settlement hearing on September 21, 2022. The Court approved the settlement and all claims were dismissed with prejudice.

**Credit Card Fees** – Between 2011 and 2013, seven proposed class actions were commenced, five of which remain in British Columbia, Alberta, Saskatchewan, Ontario and Québec: *Coburn and Watson's Metropolitan Home v. Bank of America Corporation, et al.*; *Macaronies Hair Club v. BOFA Canada Bank, et al.*; *Hello Baby Equipment Inc. v. BOFA Canada Bank, et al.*; *Bancroft-Snell, et al. v. Visa Canada Corporation, et al.*; and *9085-4886 Québec Inc. v. Visa Canada Corporation, et al.*

The plaintiff class members are Canadian merchants who accept payment for products and services by Visa Canada Corporation (Visa) and/or MasterCard International Incorporated (MasterCard) (collectively, the "Networks"). While there is some variance, in most of the actions it is alleged that, from March 2001 to the present, the Networks conspired with their issuing banks and acquirers to fix excessive fees and that certain rules have the effect of increasing the merchant fees.

The Bank, together with the remaining bank defendants, have collectively entered into a national settlement with the class. They will collectively pay a total of \$120 million in exchange for the dismissal of the Credit Card Actions and other related litigation.

On December 10, 2021, after a joint settlement approval hearing on December 6, 2021, the national settlement was approved by the five courts in which the actions were filed.

**Rothstein Litigation** – During the second quarter of 2022, the Bank reached a settlement in *TD Bank, N.A. v. Lloyd's Underwriters et al.*, in Canada, pursuant to which the Bank recovered losses resulting from the previous resolution by the Bank of multiple proceedings in the U.S. related to an alleged Ponzi scheme perpetrated by, among others, Scott Rothstein. The \$224 million amount was recovered in the second quarter of 2022 and was recorded in Other income (loss) on the Consolidated Statement of Income.

**Consumer Class Actions** – The Bank, along with several other Canadian financial institutions, is a defendant in a number of matters brought by consumers alleging provincial claims in connection with various fees, interest rate calculations, and credit decisions. The cases are in various stages of maturity.

## (c) COMMITMENTS

### **Credit-related Arrangements**

In the normal course of business, the Bank enters into various commitments and contingent liability contracts. The primary purpose of these contracts is to make funds available for the financing needs of customers. The Bank's policy for requiring collateral security with respect to these contracts and the types of collateral security held is generally the same as for loans made by the Bank.

Financial and performance standby letters of credit represent irrevocable assurances that the Bank will make payments in the event that a customer cannot meet its obligations to third parties and they carry the same credit risk, recourse, and collateral security requirements as loans extended to customers. Performance standby letters of credit are considered non-financial guarantees as payment does not depend on the occurrence of a credit event and is generally related to a non-financial trigger event.

Documentary and commercial letters of credit are instruments issued on behalf of a customer authorizing a third party to draw drafts on the Bank up to a certain amount subject to specific terms and conditions. The Bank is at risk for any drafts drawn that are not ultimately settled by the customer, and the amounts are collateralized by the assets to which they relate.

Commitments to extend credit represent unutilized portions of authorizations to extend credit in the form of loans and customers' liability under acceptances. A discussion on the types of liquidity facilities the Bank provides to its securitization conduits is included in Note 10.

The values of credit instruments reported as follows represent the maximum amount of additional credit that the Bank could be obligated to extend should contracts be fully utilized.

## Credit Instruments

(millions of Canadian dollars)	<i>As at</i>	
	October 31 2022	October 31 2021
<b>Financial and performance standby letters of credit</b>	<b>\$ 35,675</b>	\$ 31,153
<b>Documentary and commercial letters of credit</b>	<b>193</b>	209
<b>Commitments to extend credit<sup>1</sup></b>		
Original term-to-maturity of one year or less	<b>56,700</b>	54,563
Original term-to-maturity of more than one year	<b>199,588</b>	173,489
<b>Total</b>	<b>\$ 292,156</b>	\$ 259,414

<sup>1</sup> Commitments to extend credit exclude personal lines of credit and credit card lines, which are unconditionally cancellable at the Bank's discretion at any time.

In addition, as at October 31, 2022, the Bank is committed to fund \$502 million (October 31, 2021 – \$326 million) of private equity investments.

### Long-term Commitments or Leases

The Bank has obligations under long-term non-cancellable leases for premises and equipment. The maturity profile for undiscounted lease liabilities is \$14 million for 2023, \$60 million for 2024, \$131 million for 2025, \$283 million for 2026, \$374 million for 2027, \$6,350 million for 2028, and thereafter. Total lease payments, including \$9 million (October 31, 2021 – \$14 million) paid for short-term and low-value asset leases, for the year ended October 31, 2022 were \$798 million (October 31, 2021 – \$746 million).

### (d) ASSETS SOLD WITH RECOURSE

In connection with its securitization activities, the Bank typically makes customary representations and warranties about the underlying assets which may result in an obligation to repurchase the assets. These representations and warranties attest that the Bank, as the seller, has executed the sale of assets in good faith, and in compliance with relevant laws and contractual requirements. In the event that they do not meet these criteria, the loans may be required to be repurchased by the Bank.

### (e) GUARANTEES

In addition to financial and performance standby letters of credit, the following types of transactions represent the principal guarantees that the Bank has entered into.

#### Credit Enhancements

The Bank guarantees payments to counterparties in the event that third-party credit enhancements supporting asset pools are insufficient.

#### Indemnification Agreements

In the normal course of operations, the Bank provides indemnification agreements to various counterparties in transactions such as service agreements, leasing transactions, and agreements relating to acquisitions and dispositions. Under these agreements, the Bank is required to compensate counterparties for costs incurred as a result of various contingencies such as changes in laws and regulations and litigation claims. The nature of certain indemnification agreements prevent the Bank from making a reasonable estimate of the maximum potential amount that the Bank would be required to pay such counterparties.

The Bank also indemnifies directors, officers, and other persons, to the extent permitted by law, against certain claims that may be made against them as a result of their services to the Bank or, at the Bank's request, to another entity.

### (f) PLEDGED ASSETS AND COLLATERAL

In the ordinary course of business, securities and other assets are pledged against liabilities or contingent liabilities, including repurchase agreements, securitization liabilities, covered bonds, obligations related to securities sold short, and securities borrowing transactions. Assets are also deposited for the purposes of participation in clearing and payment systems and depositories or to have access to the facilities of central banks in foreign jurisdictions, or as security for contract settlements with derivative exchanges or other derivative counterparties.

Details of assets pledged against liabilities and collateral assets held or repledged are shown in the following table:

#### Sources and Uses of Pledged Assets and Collateral

(millions of Canadian dollars)	<i>As at</i>	
	October 31 2022	October 31 2021
<b>Sources of pledged assets and collateral</b>		
Bank assets		
Cash and due from banks	\$ –	\$ 223
Interest-bearing deposits with banks	<b>8,916</b>	6,580
Loans	<b>95,961</b>	81,468
Securities	<b>107,739</b>	98,200
Other assets	<b>1,032</b>	475
	<b>213,648</b>	186,946
Third-party assets <sup>1</sup>		
Collateral received and available for sale or repledging	<b>396,998</b>	354,873
Less: Collateral not repledged	<b>(122,079)</b>	(85,248)
	<b>274,919</b>	269,625
	<b>488,567</b>	456,571
<b>Uses of pledged assets and collateral<sup>2</sup></b>		
Derivatives	<b>19,815</b>	14,864
Obligations related to securities sold under repurchase agreements	<b>154,772</b>	170,314
Securities borrowing and lending	<b>129,721</b>	119,915
Obligations related to securities sold short	<b>41,556</b>	34,424
Securitization	<b>28,278</b>	29,030
Covered bond	<b>36,425</b>	26,924
Clearing systems, payment systems, and depositories	<b>11,201</b>	9,261
Foreign governments and central banks	<b>934</b>	1,010
Other	<b>65,865</b>	50,829
<b>Total</b>	<b>\$ 488,567</b>	\$ 456,571

<sup>1</sup> Includes collateral received from reverse repurchase agreements, securities borrowing, margin loans, and other client activity.

<sup>2</sup> Includes \$55.9 billion of on-balance sheet assets that the Bank has pledged and that the counterparty can subsequently repledge as at October 31, 2022 (October 31, 2021 – \$48.7 billion).

NOTE 28

## RELATED PARTY TRANSACTIONS

Parties are considered to be related if one party has the ability to directly or indirectly control the other party or exercise significant influence over the other party in making financial or operational decisions. The Bank's related parties include key management personnel, their close family members and their related entities, subsidiaries, associates, joint ventures, and post-employment benefit plans for the Bank's employees.

### TRANSACTIONS WITH KEY MANAGEMENT PERSONNEL, THEIR CLOSE FAMILY MEMBERS, AND THEIR RELATED ENTITIES

Key management personnel are those persons having authority and responsibility for planning, directing, and controlling the activities of the Bank, directly or indirectly. The Bank considers certain of its officers and directors to be key management personnel. The Bank makes loans to its key management personnel, their close family members, and their related entities on market terms and conditions with the exception of banking products and services for key management personnel, which are subject to approved policy guidelines that govern all employees.

As at October 31, 2022, \$112 million (October 31, 2021 – \$150 million) of related party loans were outstanding from key management personnel, their close family members, and their related entities.

## COMPENSATION

The remuneration of key management personnel was as follows:

Compensation	For the years ended October 31	
	2022	2021
(millions of Canadian dollars)		
Short-term employee benefits	\$ 40	\$ 31
Post-employment benefits	1	1
Share-based payments	40	39
<b>Total</b>	<b>\$ 81</b>	<b>\$ 71</b>

In addition, the Bank offers deferred share and other plans to non-employee directors, executives, and certain other key employees. Refer to Note 23 for further details.

In the ordinary course of business, the Bank also provides various banking services to associated and other related corporations on terms similar to those offered to non-related parties.

## TRANSACTIONS WITH SUBSIDIARIES, SCHWAB, AND SYM COR INC.

Transactions between the Bank and its subsidiaries meet the definition of related party transactions. If these transactions are eliminated on consolidation, they are not disclosed as related party transactions.

Transactions between the Bank, Schwab, and Symcor Inc. (Symcor) also qualify as related party transactions. There were no significant transactions between the Bank, Schwab, and Symcor during the year ended October 31, 2022, other than as described in the following sections and in Note 12.

### i) TRANSACTIONS WITH SCHWAB

A description of significant transactions between the Bank and its affiliates with Schwab is set forth below.

#### Insured Deposit Account Agreement

The Bank is party to the Schwab IDA Agreement which became effective on the completion of the Schwab transaction on October 6, 2020 and has an initial expiration date of July 1, 2031. Pursuant to the Schwab IDA

Agreement, the Bank makes sweep deposit accounts available to clients of Schwab. Schwab provides recordkeeping and support services with respect to the Schwab IDA Agreement. The servicing fee under the Schwab IDA Agreement is set at 15 basis points per annum on the aggregate average daily balance in the sweep deposit accounts. As at October 31, 2022, deposits under the Schwab IDA Agreement were \$174 billion (US\$128 billion) (October 31, 2021 – \$176 billion (US\$142 billion)). Starting July 1, 2021, deposits can be reduced at Schwab's option by up to US\$10 billion in a year (subject to certain adjustments), with a floor of US\$50 billion. The Bank paid fees of \$1.7 billion during the year ended October 31, 2022 (October 31, 2021 – \$1.6 billion) to Schwab related to sweep deposit accounts. The amount paid by the Bank is based on the average insured deposit balance of \$182 billion for the year ended October 31, 2022 (October 31, 2021 – \$186 billion) and yields based on agreed upon market benchmarks, less the actual interest paid to clients of Schwab.

As at October 31, 2022, amounts receivable from Schwab were \$31 million (October 31, 2021 – \$26 million). As at October 31, 2022, amounts payable to Schwab were \$152 million (October 31, 2021 – \$195 million).

The Bank and other financial institutions provided Schwab and its subsidiaries with unsecured revolving loan facilities. As at October 31, 2022, there was no loan commitment provided by the Bank to Schwab (October 31, 2021 – \$95 million undrawn).

### ii) TRANSACTIONS WITH SYM COR

The Bank has one-third ownership in Symcor, a Canadian provider of business process outsourcing services offering a diverse portfolio of integrated solutions in item processing, statement processing and production, and cash management services. The Bank accounts for Symcor's results using the equity method of accounting. During the year ended October 31, 2022, the Bank paid \$77 million (October 31, 2021 – \$76 million) for these services. As at October 31, 2022, the amount payable to Symcor was \$12 million (October 31, 2021 – \$12 million).

The Bank and two other shareholder banks have also provided a \$100 million unsecured loan facility to Symcor which was undrawn as at October 31, 2022, and October 31, 2021.

## NOTE 29 SEGMENTED INFORMATION

For management reporting purposes, commencing the fourth quarter of fiscal 2022, the Bank reports its results under four key business segments: Canadian Personal and Commercial Banking, U.S. Retail, Wealth Management and Insurance, and Wholesale Banking. The Bank's other activities are grouped into the Corporate segment. The comparative period information has been adjusted to reflect the new segment alignment.

Canadian Personal and Commercial Banking provides financial products and services to personal, small business and commercial customers, and includes TD Auto Finance Canada. U.S. Retail is comprised of personal and business banking in the U.S., operating under the brand TD Bank, America's Most Convenient Bank®, primarily in the Northeast and Mid-Atlantic regions and Florida, TD Auto Finance U.S., and the U.S. wealth business, including Epoch and the Bank's equity investment in Schwab. Wealth Management and Insurance includes the Canadian wealth business which provides investment products and services to institutional and retail investors, and the insurance business which provides property and casualty insurance, as well as life and health insurance products to customers across Canada. Wholesale Banking provides a wide range of capital markets, investment banking, and corporate banking products and services, including underwriting and distribution of new debt and equity issues, providing advice on strategic acquisitions and divestitures, and

meeting the daily trading, funding, and investment needs of the Bank's clients. The Corporate segment includes the effects of certain asset securitization programs, treasury management, elimination of taxable equivalent adjustments and other management reclassifications, corporate level tax items, and residual unallocated revenue and expenses.

The results of each business segment reflect revenue, expenses, and assets generated by the businesses in that segment. Due to the complexity of the Bank, its management reporting model uses various estimates, assumptions, allocations, and risk-based methodologies for funds transfer pricing, inter-segment revenue, income tax rates, capital, indirect expenses and cost transfers to measure business segment results. The basis of allocation and methodologies are reviewed periodically to align with management's evaluation of the Bank's business segments. Transfer pricing of funds is generally applied at market rates. Intersegment revenue is negotiated between each business segment and approximates the fair value of the services provided. Income tax provision or recovery is generally applied to each segment based on a statutory tax rate and may be adjusted for items and activities unique to each segment. Amortization of intangibles acquired as a result of business combinations is included in the Corporate segment. Accordingly, net income for business segments is presented before amortization of these intangibles.

Non-interest income is earned by the Bank primarily through investment and securities services, credit fees, trading income, service charges, card services, and insurance revenues. Revenues from investment and securities services are earned predominantly in the Wealth Management and Insurance segment. Revenues from credit fees are primarily earned in the Wholesale Banking and Canadian Personal and Commercial Banking segments. Trading income is earned within Wholesale Banking. Both service charges and card services revenue are mainly earned in the U.S. Retail and Canadian Personal and Commercial Banking segments. Insurance revenue is earned in the Wealth Management and Insurance segment.

Net interest income within Wholesale Banking is calculated on a taxable equivalent basis (TEB), which means that the value of non-taxable or tax-exempt income, primarily dividends, is adjusted to its equivalent before-tax value. Using TEB allows the Bank to measure income from all securities and loans consistently and makes for a more meaningful comparison of net interest income with similar institutions. The TEB adjustment reflected in Wholesale Banking is reversed in the Corporate segment.

The following table summarizes the segment results for the years ended October 31, 2022 and October 31, 2021.

## Results by Business Segment<sup>1</sup>

(millions of Canadian dollars)

For the years ended October 31

						2022
	Canadian Personal and Commercial Banking	U.S. Retail	Wealth Management and Insurance	Wholesale Banking <sup>2</sup>	Corporate <sup>2</sup>	Total
Net interest income (loss)	\$ 12,396	\$ 9,604	\$ 945	\$ 2,937	\$ 1,471	\$ 27,353
Non-interest income (loss)	4,190	2,821	9,915	1,894	2,859	21,679
Total revenue	16,586	12,425	10,860	4,831	4,330	49,032
Provision for (recovery of) credit losses	491	335	1	37	203	1,067
Insurance claims and related expenses	–	–	2,900	–	–	2,900
Non-interest expenses	7,176	6,920	4,711	3,033	2,801	24,641
Income (loss) before income taxes and share of net income from investment in Schwab	8,919	5,170	3,248	1,761	1,326	20,424
Provision for (recovery of) income taxes	2,361	625	853	436	(289)	3,986
Share of net income from investment in Schwab <sup>3,4</sup>	–	1,075	–	–	(84)	991
<b>Net income (loss)</b>	<b>\$ 6,558</b>	<b>\$ 5,620</b>	<b>\$ 2,395</b>	<b>\$ 1,325</b>	<b>\$ 1,531</b>	<b>\$ 17,429</b>
						2021
Net interest income (loss)	\$ 11,195	\$ 8,074	\$ 762	\$ 2,630	\$ 1,470	\$ 24,131
Non-interest income (loss)	3,722	2,684	9,827	2,070	259	18,562
Total revenue	14,917	10,758	10,589	4,700	1,729	42,693
Provision for (recovery of) credit losses	256	(250)	2	(118)	(114)	(224)
Insurance claims and related expenses	–	–	2,707	–	–	2,707
Non-interest expenses	6,648	6,417	4,355	2,709	2,947	23,076
Income (loss) before income taxes and share of net income from investment in Schwab	8,013	4,591	3,525	2,109	(1,104)	17,134
Provision for (recovery of) income taxes	2,128	504	929	539	(479)	3,621
Share of net income from investment in Schwab <sup>3,4</sup>	–	898	–	–	(113)	785
<b>Net income (loss)</b>	<b>\$ 5,885</b>	<b>\$ 4,985</b>	<b>\$ 2,596</b>	<b>\$ 1,570</b>	<b>\$ (738)</b>	<b>\$ 14,298</b>

<sup>1</sup> The retailer program partners' share of revenues and credit losses is presented in the Corporate segment, with an offsetting amount (representing the partners' net share) recorded in Non-interest expenses, resulting in no impact to Corporate reported Net income (loss). The Net income (loss) included in the U.S. Retail segment includes only the portion of revenue and credit losses attributable to the Bank under the agreements.

<sup>2</sup> Net interest income within Wholesale Banking is calculated on a TEB. The TEB adjustment reflected in Wholesale Banking is reversed in the Corporate segment.

<sup>3</sup> The after-tax amounts for amortization of acquired intangibles and the Bank's share of acquisition and integration charges associated with Schwab's acquisition of TD Ameritrade are recorded in the Corporate segment.

<sup>4</sup> The Bank's share of Schwab's earnings is reported with a one-month lag. Refer to Note 12 for further details.

## Total Assets by Business Segment

(millions of Canadian dollars)

	Canadian Personal and Commercial Banking	U.S. Retail	Wealth Management and Insurance	Wholesale Banking	Corporate	Total
						<i>As at October 31, 2022</i>
<b>Total assets</b>	<b>\$ 526,374</b>	<b>\$ 585,297</b>	<b>\$ 23,721</b>	<b>\$ 635,094</b>	<b>\$ 147,042</b>	<b>\$ 1,917,528</b>
						<i>As at October 31, 2021</i>
<b>Total assets</b>	<b>\$ 484,857</b>	<b>\$ 559,503</b>	<b>\$ 24,579</b>	<b>\$ 514,681</b>	<b>\$ 145,052</b>	<b>\$ 1,728,672</b>

## RESULTS BY GEOGRAPHY

For reporting of geographic results, segments are grouped into Canada, United States, and Other international. Transactions are primarily recorded

in the location responsible for recording the revenue or assets. This location frequently corresponds with the location of the legal entity through which the business is conducted and the location of the customer.

### Results by Geography

(millions of Canadian dollars)	For the years ended	
	October 31	As at October 31
	2022	2022
	Total revenue	Total assets
Canada	\$ 29,244	\$ 1,014,344
United States	18,442	760,700
Other international	1,346	142,484
<b>Total</b>	<b>\$ 49,032</b>	<b>\$ 1,917,528</b>
	2021	2021
Canada	\$ 26,664	\$ 935,856
United States	14,091	652,829
Other international	1,938	139,987
<b>Total</b>	<b>\$ 42,693</b>	<b>\$ 1,728,672</b>

### NOTE 30 INTEREST INCOME AND EXPENSE

The following tables present interest income and interest expense by basis of accounting measurement.

#### Interest Income

(millions of Canadian dollars)	For the years ended October 31	
	2022	2021
Measured at amortized cost <sup>1</sup>	\$ 34,304	\$ 26,106
Measured at FVOCI – Debt instruments <sup>1</sup>	973	600
	<b>35,277</b>	26,706
Measured or designated at FVTPL	5,542	2,714
Measured at FVOCI – Equity instruments	213	161
<b>Total</b>	<b>\$ 41,032</b>	<b>\$ 29,581</b>

<sup>1</sup> Interest income is calculated using EIRM.

#### Interest Expense

(millions of Canadian dollars)	For the years ended October 31	
	2022	2021
Measured at amortized cost <sup>1,2</sup>	\$ 10,162	\$ 3,570
Measured or designated at FVTPL	3,517	1,880
<b>Total</b>	<b>\$ 13,679</b>	<b>\$ 5,450</b>

<sup>1</sup> Interest expense is calculated using EIRM.

<sup>2</sup> Includes interest expense on lease liabilities for the year ended October 31, 2022 of \$135 million (October 31, 2021 – \$144 million).

### NOTE 31 CREDIT RISK

Concentration of credit risk exists where a number of borrowers or counterparties are engaged in similar activities, are located in the same geographic area or have comparable economic characteristics. Their ability

to meet contractual obligations may be similarly affected by changing economic, political or other conditions. The Bank's portfolio could be sensitive to changing conditions in particular geographic regions.

## Concentration of Credit Risk

(millions of Canadian dollars,  
except as noted)

	As at					
	Loans and customers' liability under acceptances <sup>1,2</sup>		Credit Instruments <sup>3,4</sup>		Derivative financial instruments <sup>5,6</sup>	
	October 31 2022	October 31 2021	October 31 2022	October 31 2021	October 31 2022	October 31 2021
Canada	66%	70%	32%	36%	22%	25%
United States	32	29	64	59	33	34
United Kingdom	–	–	1	1	11	13
Europe – other	–	–	2	3	21	18
Other international	2	1	1	1	13	10
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
	<b>\$ 853,129</b>	<b>\$ 742,672</b>	<b>\$ 292,156</b>	<b>\$ 259,414</b>	<b>\$ 96,795</b>	<b>\$ 49,929</b>

<sup>1</sup> Of the total loans and customers' liability under acceptances, the only industry segment which equalled or exceeded 5% of the total concentration as at October 31, 2022 was real estate 10% (October 31, 2021 – 10%).

<sup>2</sup> Includes loans that are measured at FVOCI.

<sup>3</sup> As at October 31, 2022, the Bank had commitments and contingent liability contracts in the amount of \$292 billion (October 31, 2021 – \$259 billion). Included are commitments to extend credit totalling \$256 billion (October 31, 2021 – \$228 billion), of which the credit risk is dispersed as detailed in the table above.

<sup>4</sup> Of the commitments to extend credit, industry segments which equalled or exceeded 5% of the total concentration were as follows as at October 31, 2022: financial institutions 22% (October 31, 2021 – 21%); power and utilities 10% (October 31, 2021 – 10%); automotive 8% (October 31, 2021 – 9%); professional and other services 8% (October 31, 2021 – 7%); sundry manufacturing and

wholesale 7% (October 31, 2021 – 7%); Non-residential-real estate development 7% (October 31, 2021 – 5%); telecommunications, cable, and media 5% (October 31, 2021 – 6%); oil and gas 5% (October 31, 2021 – 5%).

<sup>5</sup> As at October 31, 2022, the current replacement cost of derivative financial instruments, excluding the impact of master netting agreements and collateral, amounted to \$97 billion (October 31, 2021 – \$50 billion). Based on the location of the ultimate counterparty, the credit risk was allocated as detailed in the table above. The table excludes the fair value of exchange traded derivatives.

<sup>6</sup> The largest concentration by counterparty type was with financial institutions (including non-banking financial institutions), which accounted for 63% of the total as at October 31, 2022 (October 31, 2021 – 70%). The second largest concentration was with governments, which accounted for 30% of the total as at October 31, 2022 (October 31, 2021 – 19%). No other industry segment exceeded 5% of the total.

The following table presents the maximum exposure to credit risk of financial instruments, before taking account of any collateral held or other credit enhancements.

## Gross Maximum Credit Risk Exposure

(millions of Canadian dollars)

	As at	
	October 31 2022	October 31 2021
Cash and due from banks	\$ 8,556	\$ 5,931
Interest-bearing deposits with banks	137,294	159,962
Securities <sup>1</sup>		
Financial assets designated at fair value through profit or loss		
Government and government-insured securities	2,422	2,161
Other debt securities	2,617	2,403
Trading		
Government and government-insured securities	51,285	42,048
Other debt securities	18,997	18,365
Retained interest	5	9
Non-trading securities at fair value through profit or loss		
Government and government-insured securities	287	155
Other debt securities	6,644	6,320
Securities at fair value through other comprehensive income		
Government and government-insured securities	50,882	57,780
Other debt securities	13,121	15,085
Debt securities at amortized cost		
Government and government-insured securities	256,362	208,559
Other debt securities	86,412	60,380
Securities purchased under reverse purchase agreements	160,167	167,284
Derivatives <sup>2</sup>	103,873	54,427
Loans		
Residential mortgages	293,601	268,079
Consumer instalment and other personal	204,529	188,291
Credit card	34,263	28,933
Business and government	298,650	237,319
Trading loans	11,749	12,405
Non-trading loans at fair value through profit or loss	3,265	2,337
Loans at fair value through other comprehensive income	2,353	1,602
Customers' liability under acceptances	19,733	18,448
Amounts receivable from brokers, dealers, and clients	19,760	32,357
Other assets	8,461	5,927
<b>Total assets</b>	<b>1,795,288</b>	<b>1,596,567</b>
Credit instruments <sup>3</sup>	292,156	259,414
Unconditionally cancellable commitments to extend credit relating to personal lines of credit and credit card lines	352,342	318,025
<b>Total credit exposure</b>	<b>\$ 2,439,786</b>	<b>\$ 2,174,006</b>

<sup>1</sup> Excludes equity securities.

<sup>2</sup> The carrying amount of the derivative assets represents the maximum credit risk exposure related to derivative contracts.

<sup>3</sup> The balance represents the maximum amount of additional funds that the Bank could be obligated to extend should the contracts be fully utilized. The actual maximum exposure may differ from the amount reported above. Refer to Note 27 for further details.

The Bank manages its capital under guidelines established by OSFI. The regulatory capital guidelines measure capital in relation to credit, trading market, and operational risks. The Bank has various capital policies, procedures, and controls which it utilizes to achieve its goals and objectives.

The Bank's capital management objectives are:

- To be an appropriately capitalized financial institution as determined by:
  - the Bank's Risk Appetite Statement;
  - capital requirements defined by relevant regulatory authorities; and
  - the Bank's internal assessment of capital requirements, including stress test analysis, consistent with the Bank's risk profile and risk tolerance levels.
- To have the most economic weighted-average cost of capital achievable, while preserving the appropriate mix of capital elements to meet targeted capitalization levels.
- To ensure ready access to sources of appropriate capital, at reasonable cost, in order to:
  - insulate the Bank from unexpected loss events; and
  - support and facilitate business growth and/or acquisitions consistent with the Bank's strategy and risk appetite.
- To support strong external debt ratings, in order to manage the Bank's overall cost of funds and to maintain access to required funding.

These objectives are applied in a manner consistent with the Bank's overall objective of providing a satisfactory return on shareholders' equity.

#### Basel III Capital Framework

Capital requirements of the Basel Committee on Banking Supervision are commonly referred to as Basel III. Under Basel III, Total Capital consists of three components, namely Common Equity Tier 1 (CET1), Additional Tier 1, and Tier 2 Capital. Risk sensitive regulatory capital ratios are calculated by dividing CET1, Tier 1, and Total Capital by risk-weighted assets (RWA), inclusive of any minimum requirements outlined under the regulatory floor. In 2015, Basel III also implemented a non-risk sensitive leverage ratio to act as a supplementary measure to the risk-sensitive capital requirements. The objective of the leverage ratio is to constrain the build-up of excess leverage in the banking sector. The leverage ratio is calculated by dividing Tier 1 Capital by leverage exposure which is primarily comprised of on-balance sheet assets with adjustments made to derivative and securities financing transaction exposures, and credit equivalent amounts of off-balance sheet exposures.

#### Capital Position and Capital Ratios

The Basel framework allows qualifying banks to determine capital levels consistent with the way they measure, manage, and mitigate risks. It specifies methodologies for the measurement of credit, trading market, and operational risks. The Bank uses the AIRB approach to credit risk for all material portfolios.

For accounting purposes, IFRS is followed for consolidation of subsidiaries and joint ventures. For regulatory capital purposes, all subsidiaries of the Bank are consolidated except for insurance subsidiaries

which are deconsolidated and follow prescribed treatment per OSFI's CAR guidelines. Insurance subsidiaries are subject to their own capital adequacy reporting, such as OSFI's Life Insurance Capital Adequacy Test. Some of the Bank's subsidiaries are individually regulated by either OSFI or other regulators. Many of these entities have minimum capital requirements which may limit the Bank's ability to extract capital or funds for other uses.

On November 22, 2019, the Bank was designated a global systemically important bank (G-SIB). During the year ended October 31, 2022, the Bank complied with the OSFI Basel III guidelines related to risk-based and leverage capital ratios. Effective January 1, 2016, OSFI's target CET1, Tier 1, and Total Capital ratios for Canadian banks designated as domestic systemically important banks (D-SIBs) includes a 1% common equity capital surcharge bringing the targets to 8%, 9.5%, and 11.5%, respectively. On June 25, 2018, OSFI provided greater transparency related to previously undisclosed Pillar 2 CET1 capital buffers through the introduction of the public Domestic Stability Buffer (DSB) which is held by D-SIBs against Pillar 2 risks. The current published buffer is set at 2.5% of total RWA and must be met with CET1 Capital, effectively raising OSFI's published CET1, Tier 1, and Total Capital minimum target ratios to 10.5%, 12.0%, and 14.0%, respectively. The OSFI target includes the greater of the D-SIB or G-SIB surcharge, both of which are currently 1%.

On September 23, 2018, the Canadian Bail-in regime came into effect, including OSFI's Total Loss Absorbing Capacity (TLAC) guideline. Under this guideline, the Bank was required to meet a supervisory risk-based TLAC target of 24.0% of RWA, inclusive of the 2.50% DSB, and a TLAC leverage ratio target of 6.75% by November 1, 2021. Changes to the DSB will result in corresponding changes to the risk-based TLAC target ratio.

The following table summarizes the Bank's regulatory capital position as at October 31, 2022 and October 31, 2021.

#### Regulatory Capital Position

	<i>As at</i>	
	October 31 2022	October 31 2021
<i>(millions of Canadian dollars, except as noted)</i>		
<b>Capital</b>		
Common Equity Tier 1 Capital	<b>\$ 83,671</b>	\$ 69,937
Tier 1 Capital	<b>94,445</b>	75,716
Total Capital	<b>107,175</b>	87,987
<b>Risk-weighted assets used in the calculation of capital ratios</b>	<b>517,048</b>	460,270
<b>Capital and leverage ratios</b>		
Common Equity Tier 1 Capital ratio	<b>16.2%</b>	15.2%
Tier 1 Capital ratio	<b>18.3</b>	16.5
Total Capital ratio	<b>20.7</b>	19.1
Leverage ratio	<b>4.9</b>	4.8
TLAC Ratio	<b>35.2</b>	28.3
TLAC Leverage Ratio	<b>9.4</b>	8.2

The following is a list of the directly or indirectly held significant subsidiaries.

**SIGNIFICANT SUBSIDIARIES<sup>1</sup>**

(millions of Canadian dollars)

	October 31, 2022
Address of Head or Principal Office <sup>2</sup>	Carrying value of shares owned by the Bank <sup>3</sup>
<b>North America</b>	
Meloche Monnex Inc.	\$ 2,370
Security National Insurance Company	
Primum Insurance Company	
TD Direct Insurance Inc.	
TD General Insurance Company	
TD Home and Auto Insurance Company	
TD Wealth Holdings Canada Limited	5,963
TD Asset Management Inc.	
GMI Servicing Inc.	
TD Waterhouse Private Investment Counsel Inc.	
TD Waterhouse Canada Inc.	
TD Auto Finance (Canada) Inc.	3,721
TD Group US Holdings LLC	71,879
Toronto Dominion Holdings (U.S.A.), Inc.	
TD Prime Services LLC	
TD Securities Automated Trading LLC	
TD Securities (USA) LLC	
Toronto Dominion (Texas) LLC	
Toronto Dominion (New York) LLC	
Toronto Dominion Capital (U.S.A.), Inc.	
Toronto Dominion Investments, Inc.	
TD Bank US Holding Company	
Epoch Investment Partners, Inc.	
TD Bank USA, National Association	
TD Bank, National Association	
TD Equipment Finance, Inc.	
TD Private Client Wealth LLC	
TD Wealth Management Services Inc.	
TD Investment Services Inc.	38
TD Life Insurance Company	115
TD Mortgage Corporation	11,737
TD Pacific Mortgage Corporation	
The Canada Trust Company	
TD Securities Inc.	2,713
TD Vermillion Holdings Limited	28,723
TD Financial International Ltd.	
TD Reinsurance (Barbados) Inc.	
<b>International</b>	
TD Ireland Unlimited Company	2,057
TD Global Finance Unlimited Company	
TD Securities (Japan) Co. Ltd.	11
Toronto Dominion Australia Limited	94
Toronto Dominion Investments B.V.	1,174
TD Bank Europe Limited	
Toronto Dominion (South East Asia) Limited	1,225

<sup>1</sup> Unless otherwise noted, The Toronto-Dominion Bank, either directly or through its subsidiaries, owns 100% of the entity and/or 100% of any issued and outstanding voting securities and non-voting securities of the entities listed.

<sup>2</sup> Each subsidiary is incorporated or organized in the country in which its head or principal office is located, with the exception of Toronto Dominion Investments B.V., a company incorporated in The Netherlands, but with its principal office in the United Kingdom.

<sup>3</sup> Carrying amounts are prepared for purposes of meeting the disclosure requirements of Section 308 (3)(a)(ii) of the *Bank Act (Canada)*. Intercompany transactions may be included herein which are eliminated for consolidated financial reporting purposes.

**SUBSIDIARIES WITH RESTRICTIONS TO TRANSFER FUNDS**

Certain of the Bank's subsidiaries have regulatory requirements to fulfil, in accordance with applicable law, in order to transfer funds, including paying dividends to, repaying loans to, or redeeming subordinated debentures issued to, the Bank. These customary requirements include, but are not limited to:

- Local regulatory capital and/or surplus adequacy requirements;
- Basel requirements under Pillar 1 and Pillar 2;
- Local regulatory approval requirements; and
- Local corporate and/or securities laws.

As at October 31, 2022, the net assets of subsidiaries subject to regulatory or CAR was approximately \$82 billion (October 31, 2021 – \$91 billion), before intercompany eliminations.

In addition to regulatory requirements outlined above, the Bank may be subject to significant restrictions on its ability to use the assets or settle the liabilities of members of its group. Key contractual restrictions may arise from the provision of collateral to third parties in the normal course of business, for example through secured financing transactions; assets securitized which are not subsequently available for transfer by the Bank; and assets transferred into other consolidated and unconsolidated structured entities. The impact of these restrictions has been disclosed in Notes 9 and 27.

# Ten-year Statistical Review – IFRS

## Condensed Consolidated Balance Sheet

(millions of Canadian dollars)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
<b>ASSETS</b>										
Cash resources and other	\$ 145,850	\$ 165,893	\$ 170,594	\$ 30,446	\$ 35,455	\$ 55,156	\$ 57,621	\$ 45,637	\$ 46,554	\$ 32,164
Trading loans, securities, and other <sup>1</sup>	218,440	231,220	256,342	261,144	262,115	254,361	211,111	188,317	168,926	188,016
Non-trading financial assets at fair value through profit or loss	10,946	9,390	8,548	6,503	4,015	n/a	n/a	n/a	n/a	n/a
Derivatives	103,873	54,427	54,242	48,894	56,996	56,195	72,242	69,438	55,796	49,461
Debt securities at amortized cost, net of allowance for credit losses	342,774	268,939	227,679	130,497	107,171	n/a	n/a	n/a	n/a	n/a
Held-to-maturity securities	n/a	n/a	n/a	n/a	n/a	71,363	84,395	74,450	56,977	29,961
Securities purchased under reverse repurchase agreements	160,167	167,284	169,162	165,935	127,379	134,429	86,052	97,364	82,556	64,283
Loans, net of allowance for loan losses	831,043	722,622	717,523	684,608	646,393	612,591	585,656	544,341	478,909	444,922
Other	104,435	108,897	111,775	87,263	95,379	94,900	79,890	84,826	70,793	53,214
<b>Total assets</b>	<b>\$ 1,917,528</b>	<b>\$ 1,728,672</b>	<b>\$ 1,715,865</b>	<b>\$ 1,415,290</b>	<b>\$ 1,334,903</b>	<b>\$ 1,278,995</b>	<b>\$ 1,176,967</b>	<b>\$ 1,104,373</b>	<b>\$ 960,511</b>	<b>\$ 862,021</b>
<b>LIABILITIES</b>										
Trading deposits	\$ 23,805	\$ 22,891	\$ 19,177	\$ 26,885	\$ 114,704	\$ 79,940	\$ 79,786	\$ 74,759	\$ 59,334	\$ 50,967
Derivatives	91,133	57,122	53,203	50,051	48,270	51,214	65,425	57,218	51,209	49,471
Financial liabilities designated at fair value through profit or loss	162,786	113,988	59,665	105,131	16	8	190	1,415	3,250	12
Deposits	1,229,970	1,125,125	1,135,333	886,977	851,439	832,824	773,660	695,576	600,716	541,605
Other	287,161	298,498	341,511	247,820	231,694	230,291	172,801	199,740	181,986	160,601
Subordinated notes and debentures	11,290	11,230	11,477	10,725	8,740	9,528	10,891	8,637	7,785	7,982
<b>Total liabilities</b>	<b>1,806,145</b>	<b>1,628,854</b>	<b>1,620,366</b>	<b>1,327,589</b>	<b>1,254,863</b>	<b>1,203,805</b>	<b>1,102,753</b>	<b>1,037,345</b>	<b>904,280</b>	<b>810,638</b>
<b>EQUITY</b>										
<b>Shareholders' Equity</b>										
Common shares	24,363	23,066	22,487	21,713	21,221	20,931	20,711	20,294	19,811	19,316
Preferred shares and other equity instruments	11,253	5,700	5,650	5,800	5,000	4,750	4,400	2,700	2,200	3,395
Treasury shares and other equity instruments	(98)	(162)	(41)	(47)	(151)	(183)	(36)	(52)	(55)	(147)
Contributed surplus	179	173	121	157	193	214	203	214	205	170
Retained earnings	73,698	63,944	53,845	49,497	46,145	40,489	35,452	32,053	27,585	23,982
Accumulated other comprehensive income (loss)	1,988	7,097	13,437	10,581	6,639	8,006	11,834	10,209	4,936	3,159
	111,383	99,818	95,499	87,701	79,047	74,207	72,564	65,418	54,682	49,875
Non-controlling interests in subsidiaries	–	–	–	–	993	983	1,650	1,610	1,549	1,508
<b>Total equity</b>	<b>111,383</b>	<b>99,818</b>	<b>95,499</b>	<b>87,701</b>	<b>80,040</b>	<b>75,190</b>	<b>74,214</b>	<b>67,028</b>	<b>56,231</b>	<b>51,383</b>
<b>Total liabilities and equity</b>	<b>\$ 1,917,528</b>	<b>\$ 1,728,672</b>	<b>\$ 1,715,865</b>	<b>\$ 1,415,290</b>	<b>\$ 1,334,903</b>	<b>\$ 1,278,995</b>	<b>\$ 1,176,967</b>	<b>\$ 1,104,373</b>	<b>\$ 960,511</b>	<b>\$ 862,021</b>

<sup>1</sup> Includes financial assets designated at fair value through profit or loss and financial assets at fair value through other comprehensive income (available-for-sale securities under IAS 39).

# Ten-year Statistical Review – IFRS (continued)

## Condensed Consolidated Statement of Income – Reported

(millions of Canadian dollars)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Net interest income	\$ 27,353	\$ 24,131	\$ 24,497	\$ 23,821	\$ 22,239	\$ 20,847	\$ 19,923	\$ 18,724	\$ 17,584	\$ 16,074
Non-interest income	21,679	18,562	19,149	17,244	16,653	15,355	14,392	12,702	12,377	11,185
<b>Total revenue</b>	<b>49,032</b>	42,693	43,646	41,065	38,892	36,202	34,315	31,426	29,961	27,259
Provision for (recovery of) credit losses	1,067	(224)	7,242	3,029	2,480	2,216	2,330	1,683	1,557	1,631
Insurance claims and related expenses	2,900	2,707	2,886	2,787	2,444	2,246	2,462	2,500	2,833	3,056
Non-interest expenses	24,641	23,076	21,604	22,020	20,195	19,419	18,877	18,073	16,496	15,069
<b>Income before income taxes and share of net income from investment in Schwab and TD Ameritrade</b>	<b>20,424</b>	17,134	11,914	13,229	13,773	12,321	10,646	9,170	9,075	7,503
Provision for (recovery of) income taxes	3,986	3,621	1,152	2,735	3,182	2,253	2,143	1,523	1,512	1,135
Share of net income from investment in Schwab and TD Ameritrade	991	785	1,133	1,192	743	449	433	377	320	272
<b>Net income</b>	<b>17,429</b>	14,298	11,895	11,686	11,334	10,517	8,936	8,024	7,883	6,640
Preferred dividends and distributions on other equity instruments	259	249	267	252	214	193	141	99	143	185
<b>Net income available to common shareholders and non-controlling interests in subsidiaries</b>	<b>\$ 17,170</b>	\$ 14,049	\$ 11,628	\$ 11,434	\$ 11,120	\$ 10,324	\$ 8,795	\$ 7,925	\$ 7,740	\$ 6,455
Attributable to:										
Common shareholders	\$ 17,170	\$ 14,049	\$ 11,628	\$ 11,416	\$ 11,048	\$ 10,203	\$ 8,680	\$ 7,813	\$ 7,633	\$ 6,350
Non-controlling interests in subsidiaries	–	–	–	18	72	121	115	112	107	105

## Condensed Consolidated Statement of Changes in Equity – Reported

(millions of Canadian dollars)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
<b>Shareholders' Equity</b>										
Common shares	\$ 24,363	\$ 23,066	\$ 22,487	\$ 21,713	\$ 21,221	\$ 20,931	\$ 20,711	\$ 20,294	\$ 19,811	\$ 19,316
Preferred shares and other equity instruments	11,253	5,700	5,650	5,800	5,000	4,750	4,400	2,700	2,200	3,395
Treasury shares and other equity instruments	(98)	(162)	(41)	(47)	(151)	(183)	(36)	(52)	(55)	(147)
Contributed surplus	179	173	121	157	193	214	203	214	205	170
Retained earnings	73,698	63,944	53,845	49,497	46,145	40,489	35,452	32,053	27,585	23,982
Accumulated other comprehensive income (loss)	1,988	7,097	13,437	10,581	6,639	8,006	11,834	10,209	4,936	3,159
<b>Total</b>	<b>111,383</b>	99,818	95,499	87,701	79,047	74,207	72,564	65,418	54,682	49,875
Non-controlling interests in subsidiaries	–	–	–	–	993	983	1,650	1,610	1,549	1,508
<b>Total equity</b>	<b>\$ 111,383</b>	\$ 99,818	\$ 95,499	\$ 87,701	\$ 80,040	\$ 75,190	\$ 74,214	\$ 67,028	\$ 56,231	\$ 51,383

# Ten-year Statistical Review

## Other Statistics – IFRS Reported

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
<b>Per common shares</b>										
1 Basic earnings	\$ 9.48	\$ 7.73	\$ 6.43	\$ 6.26	\$ 6.02	\$ 5.51	\$ 4.68	\$ 4.22	\$ 4.15	\$ 3.46
2 Diluted earnings	9.47	7.72	6.43	6.25	6.01	5.50	4.67	4.21	4.14	3.44
3 Dividends	3.56	3.16	3.11	2.89	2.61	2.35	2.16	2.00	1.84	1.62
4 Book value	55.00	51.66	49.49	45.20	40.50	37.76	36.71	33.81	28.45	25.33
5 Closing market price	87.19	89.84	58.78	75.21	73.03	73.34	60.86	53.68	55.47	47.82
6 Closing market price to book value	1.59	1.74	1.19	1.66	1.80	1.94	1.66	1.59	1.95	1.89
7 Closing market price appreciation	(3.0)%	52.8%	(21.8)%	3.0%	(0.4)%	20.5%	13.4%	(3.2)%	16.0%	17.7%
8 Total shareholder return (1-year)	0.9	58.9	(17.9)	7.1	3.1	24.8	17.9	0.4	20.1	22.3
<b>Performance ratios</b>										
9 Return on common equity	18.0%	15.5%	13.6%	14.5%	15.7%	14.9%	13.3%	13.4%	15.4%	14.2%
10 Return on Common Equity Tier 1 Capital risk-weighted assets <sup>1,2</sup>	3.53	3.02	2.41	2.55	2.56	2.46	2.21	2.20	2.45	2.32
11 Efficiency ratio	50.3	54.1	49.5	53.6	51.9	53.6	55.0	57.5	55.1	55.3
12 Net interest margin	1.69	1.56	1.72	1.95	1.95	1.96	2.01	2.05	2.18	2.20
13 Dividend payout ratio	37.5	40.9	48.3	46.1	43.3	42.6	46.1	47.4	44.3	46.9
14 Dividend yield	3.8	3.9	4.8	3.9	3.5	3.6	3.9	3.7	3.5	3.8
15 Price-earnings ratio	9.2	11.6	9.2	12.0	12.2	13.3	13.0	12.8	13.4	13.9
<b>Asset quality</b>										
16 Net impaired loans as a % of net loans and acceptances <sup>3,4</sup>	0.20%	0.24%	0.32%	0.33%	0.37%	0.38%	0.46%	0.48%	0.46%	0.50%
17 Net impaired loans as a % of common equity <sup>3,4</sup>	1.74	1.89	2.59	2.81	3.33	3.45	4.09	4.24	4.28	4.83
18 Provision for credit losses as a % of net average loans and acceptances <sup>3,4</sup>	0.14	(0.03)	1.00	0.45	0.39	0.37	0.41	0.34	0.34	0.38
<b>Capital ratios<sup>1</sup></b>										
19 Common Equity Tier 1 Capital ratio <sup>2,5</sup>	16.2%	15.2%	13.1%	12.1%	12.0%	10.7%	10.4%	9.9%	9.4%	9.0%
20 Tier 1 Capital ratio <sup>1,2</sup>	18.3	16.5	14.4	13.5	13.7	12.3	12.2	11.3	10.9	11.0
21 Total Capital ratio <sup>1,2</sup>	20.7	19.1	16.7	16.3	16.2	14.9	15.2	14.0	13.4	14.2
<b>Other</b>										
22 Common equity to total assets	5.2	5.4	5.2	5.8	5.5	5.4	5.8	5.7	5.5	5.4
23 Number of common shares outstanding (millions)	1,820.7	1,822.0	1,815.6	1,811.9	1,828.3	1,839.6	1,857.2	1,855.1	1,844.6	1,835.0
24 Market capitalization (millions of Canadian dollars)	\$ 158,743	\$ 163,686	\$ 106,719	\$ 136,274	\$ 133,519	\$ 134,915	\$ 113,028	\$ 99,584	\$ 102,322	\$ 87,748
25 Average number of full-time equivalent staff <sup>6</sup>	94,867	89,464	89,598	89,031	84,383	83,160	81,233	81,483	81,137	78,748
26 Number of retail outlets <sup>7</sup>	2,274	2,260	2,358	2,380	2,411	2,446	2,476	2,514	2,534	2,547
27 Number of retail brokerage offices	85	86	87	113	109	109	111	108	111	110
28 Number of automated banking machines	6,100	6,089	6,233	6,302	5,587	5,322	5,263	5,171	4,833	4,734

<sup>1</sup> These measures have been included in this document in accordance with the Office of the Superintendent of Financial Institutions Canada's Capital Adequacy Requirements. Amounts are calculated in accordance with the Basel III regulatory framework and are presented based on the "all-in" methodology.

<sup>2</sup> Effective fiscal 2014, the CVA has been implemented based on a phase-in approach until the first quarter of 2019. Effective the third quarter of 2014, the scalars for inclusion of CVA for CET1, Tier 1, and Total Capital RWA were 57%, 65% and 77%, respectively. For fiscal 2015 and 2016, the scalars for inclusion of CVA for CET1, Tier 1, and Total Capital RWA were 64%, 71%, and 77%, respectively. For fiscal 2017, the corresponding scalars were 72%, 77%, and 81%, respectively, for fiscal 2018, were 80%, 83%, and 86%, respectively, and effective fiscal 2019, the corresponding scalars are all 100%. Prior to the second quarter of 2018, the RWA as it relates to the regulatory floor was calculated based on the Basel I risk weights which are the same for all capital ratios.

<sup>3</sup> Includes customers' liability under acceptances.

<sup>4</sup> Excludes acquired credit-impaired loans, and prior to November 1, 2017, certain debt securities classified as loans (DSCL). DSCL are now classified as debt securities at amortized cost under IFRS 9.

<sup>5</sup> The Bank reports the measures, CET1 and CET1 Capital ratio, in accordance with the "all-in" methodology.

<sup>6</sup> In fiscal 2014, the Bank conformed to a standardized definition of full-time equivalent staff across all segments. The definition includes, among other things, hours for overtime and contractors as part of its calculations. Comparatives for years prior to fiscal 2014 have not been restated.

<sup>7</sup> Includes retail bank outlets, private client centre branches, and estate and trust branches.