## NATIONAL BANK OF CANADA

# ANALYST AND INVESTOR PRESENTATION Q4-2017 CONFERENCE CALL 

Friday, December 1, 2017 - 11:00 am

## CAUTION REGARDING FORWARD-LOOKING STATEMENTS

From time to time, the Bank makes written and oral forward-looking statements, such as those contained in the Outlook for National Bank and the Major Economic Trends sections of this Annual Report, in other filings with Canadian securities regulators, and in other communications, for the purpose of describing the economic environment in which the Bank will operate during fiscal 2018 and the objectives it hopes to achieve for that period. These forwardlooking statements are made in accordance with current securities legislation in Canada and the United States. They include, among others, statements with respect to the economy-particularly the Canadian and U.S. economies-market changes, observations regarding the Bank's objectives and its strategies for achieving them, Bank-projected financial returns and certain risks faced by the Bank. These forward-looking statements are typically identified by future or conditional verbs or words such as "outlook," "believe," "anticipate," "estimate," "project," "expect," "intend," "plan," and similar terms and expressions.

By their very nature, such forward-looking statements require assumptions to be made and involve inherent risks and uncertainties, both general and specific. Assumptions about the performance of the Canadian and U.S. economies in 2018 and how that will affect the Bank's business are among the main factors considered in setting the Bank's strategic priorities and objectives and in determining its financial targets, including provisions for credit losses. In determining its expectations for economic growth, both broadly and in the financial services sector in particular, the Bank primarily considers historical economic data provided by the Canadian and U.S. governments and their agencies.

There is a strong possibility that express or implied projections contained in these forward-looking statements will not materialize or will not be accurate. The Bank recommends that readers not place undue reliance on these statements, as a number of factors, many of which are beyond the Bank's control, could cause actual future results, conditions, actions or events to differ significantly from the targets, expectations, estimates or intentions expressed in the forward-looking statements. These factors include credit risk, market risk, liquidity and funding risk, operational risk, regulatory compliance risk, reputation risk, strategic risk and environmental risk, all of which are described in more detail in the Risk Management section beginning on page 51 of this Annual Report; general economic environment and financial market conditions in Canada, the United States and certain other countries in which the Bank conducts business, including regulatory changes affecting the Bank's business, capital and liquidity; changes in the accounting policies the Bank uses to report its financial condition, including uncertainties associated with assumptions and critical accounting estimates; tax laws in the countries in which the Bank operates, primarily Canada and the United States (including the U.S. Foreign Account Tax Compliance Act (FATCA)); changes to capital and liquidity guidelines and to the manner in which they are to be presented and interpreted; changes to the credit ratings assigned to the Bank; and potential disruptions to the Bank's information technology systems, including evolving cyber attack risk.

The foregoing list of risk factors is not exhaustive. Additional information about these factors can be found in the Risk Management section of this Annual Report. Investors and others who rely on the Bank's forward-looking statements should carefully consider the above factors as well as the uncertainties they represent and the risk they entail. Except as required by law, the Bank does not undertake to update any forward-looking statements, whether written or oral, that may be made from time to time, by it or on its behalf.

The forward-looking information contained in this document is presented for the purpose of interpreting the information contained herein and may not be appropriate for other purposes.

## OVERVIEW

Louis Vachon<br>President \& Chief Executive Officer

## HIGHLIGHTS

(millions of dollars)

| ADJUSTED RESULTS ${ }^{(1)}$ | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues | 1,760 | 1\% | 8\% | 6,864 | 6,279 | 9\% |
| Net Income ${ }^{(2)}$ | 531 | 1\% | 15\% | 2,049 | 1,613 | 27\% |
| Diluted EPS | \$1.40 | 1\% | 13\% | \$5.45 | \$4.35 | 25\% |
| Provision for Credit Losses | 70 | 21\% | 19\% | 244 | 484 | (50\%) |
| Efficiency ratio | 55.2\% | -20 bps | -330 bps | 55.9\% | 58.2\% | $-230 \mathrm{bps}$ |
| Return on Equity | 18.0\% |  |  | 18.3\% | 15.5\% |  |
| Common Equity Tier 1 Ratio Under Basel III | 11.2\% |  |  | 11.2\% | 10.1\% |  |
| Dividend Payout ${ }^{(3)}$ | 41.3\% |  |  | 41.3\% | 49.7\% |  |

(1) Excluding specified items (see Appendix 14), taxable equivalent basis
(2) Net income before non-controlling interests
(3) Trailing 4 quarters

## F2017 HIGHLIGHTS

- Adjusted diluted EPS up 25\%
- Positive operating leverage of $4 \%$
- Efficiency ratio improvement of 230 bps
- ROE at 18.3\%
- Common Equity Tier 1 ratio at 11.2\%


## HIGHLIGHTS Q4-17 vs. Q4-16

- Adjusted diluted EPS up 13\% YoY
- Efficiency ratio improved by 330 bps


## TOTAL SHAREHOLDER RETURNS

- Returned 48\% of net earnings to common shareholders in F2017
- Increased dividend twice for a combined annual increase of 5\%
- 2 million common shares repurchased

| TOTAL SHAREHOLDER RETURN |  |  |  |
| :--- | ---: | ---: | :--- |
| ${ }^{(1)(2)}$ | 1 YEAR | 5 YEAR | 10 YEAR |
| National Bank | $36.2 \%$ | $15.1 \%$ | $13.6 \%$ |
| Canadian Peers | $21.6 \%$ | $15.0 \%$ | $9.3 \%$ |
| TSX / S\&P 500 | $11.5 \%$ | $8.4 \%$ | $3.9 \%$ |

(1) Annualized TSR is calculated based on common share price appreciation plus reinvested dividends
(2) As of October 31, 2017

## SEGMENT SNAPSHOT - Q4 2017

(millions of dollars)

| ADJUSTED NET INCOME | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| :--- | ---: | :---: | :---: | ---: | ---: | :---: |
| P\&C Banking | 239 | - | $25 \%$ | 925 | 557 | $66 \%$ |
| P\&C Banking <br> excl. sectoral provision adj. (2) | 239 | - | $25 \%$ | 896 | 740 | $21 \%$ |
| Wealth Management | 116 | $4 \%$ | $26 \%$ | 439 | 347 | $27 \%$ |
| Financial Markets | 186 | $11 \%$ | $6 \%$ | 712 | 630 | $13 \%$ |
| US Specialty Finance <br> \& International |  |  |  |  |  |  |

(1) Excluding sectoral provision for credit losses of $\$ 250$ million ( $\$ 183$ million net of taxes) in F2016 as well as $\$ 40$ million sectoral provision reversal ( $\$ 29$ million net of taxes) in F2017
(2) Reported in F2016 net income included a $\$ 41$ million revaluation gain of ABA

## F2017 HIGHLIGHTS

## - P\&C BANKING

- Net income up 21\%
- Revenues up 6\% due to increase in loans, deposits, and other revenues
- NIM up 2 bps to $2.26 \%$
- WEALTH MANAGEMENT
- Net income up 27\%
- Revenues up 11\%
- AUA and AUM up $21 \%$ and $16 \%$, respectively
- FINANCIAL MARKETS
- Net income up 13\%
- Revenues up 10\%
- US SPECIALTY FINANCE \& INTERNATIONAL
- Net income up $25 \%$
- Revenues up 32\%
- Expects USSF\&I contribution to be around $10 \%$ of overall results


## MID-TERM OBJECTIVES

Excluding specified items

| MID-TERM OBJECTIVES - F2017 |  | F2017 Results | Achieved |
| :--- | :---: | :---: | :---: |
| Growth in diluted earnings per share | $5 \%$ to 10\% | $25 \%$ | $\checkmark$ |
| Return on common shareholders' equity | $15 \%$ to $20 \%$ | $18.3 \%$ | $\checkmark$ |
| Common Equity Tier 1 capital ratio | $>10 \%$ | $11.2 \%$ | $\checkmark$ |
| Leverage ratio | $>3.5 \%$ | $4 \%$ | $\checkmark$ |
| Dividend payout ratio | $40 \%$ to $50 \%$ | $41.3 \%$ | $\checkmark$ |


| MID-TERM OBJECTIVES - F2018 |  |
| :--- | :---: |
| Growth in diluted earnings per share | $5 \%$ to $10 \%$ |
| Return on common shareholders' equity | $15 \%$ to $20 \%$ |
| Capital ratios | Maintain strong capital ratios |
| Dividend payout ratio | $40 \%$ to $50 \%$ |

## FINANCIAL REVIEW

Ghislain Parent<br>Chief Financial Officer and<br>Executive Vice-President, Finance and Treasury

## STRONG CAPITAL POSITION

TOTAL RISK-WEIGHTED ASSETS
UNDER BASEL III


COMMON EQUITY TIER 1 UNDER BASEL III EVOLUTION (QoQ)


## HIGHLIGHTS

- Common Equity Tier 1 ratio at 11.2\%
- Total capital ratio at 15.1\%
- Leverage ratio at 4.0\%
- Liquidity coverage ratio at $132 \%$


## IFRS 9 TRANSITION ADJUSTMENTS

- Estimated after tax impact of adopting IFRS 9 on shareholder's equity: reduction of \$165 million
- Classification and measurement
- Gains or losses on equities accumulated in Other Comprehensive Income
- Fair Value of reverse mortgages
- Securities and liabilities designated using the Fair Value Option
- Impairment (loan losses)
- Lower Expected Credit loss (ECL) for the Bank excluding Credigy
- Higher ECL for Credigy
- Impact on CET1 ratio: 16 bps


## RISK MANAGEMENT

William Bonnell<br>Executive Vice-President, Risk Management

## RETAIL MORTGAGE AND HELOC PORTFOLIO

CANADIAN RETAIL MORTGAGE PORTFOLIO DISTRIBUTION

HIGHLIGHTS


DISTRIBUTION BY CANADIAN PROVINCE
As at October 31, 2017

- Insured mortgages represent 45\% of the total portfolio
- Outside Central Canada, greater than $60 \%$ of the portfolio is insured mortgages
- The average LTV ${ }^{(1)}$ on the uninsured mortgages and HELOC portfolio was approximately $58 \%$
- Uninsured mortgages and HELOC in GTA and GVA represent 8\% and 2\% of the total portfolio and have an average $\operatorname{LTV}^{(1)}$ of $46 \%$ and $42 \%$ respectively.


## IMPAIRED LOANS AND BA’S AND FORMATION

(millions of dollars)

IMPAIRED LOANS AND BA'S


IMPAIRED LOANS AND BA'S FORMATION ${ }^{(1)}$

| (millions of dollars) | Q4 17 | Q3 17 | Q2 17 | Q1 17 | Q4 16 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Personal | 17 | 13 | 18 | 23 | 17 |
| Commercial (excluding O\&G) | 10 | 1 | 22 | $(11)$ | 24 |
| Oil \& Gas | $(15)$ | 35 | $(8)$ | $(32)$ | 36 |
| Corporate Banking | - | - | - | - | - |
| Wealth Management | 2 | 1 | 1 | - | 2 |
| Credigy | - | - | - | - | - |
| ABA Bank | $(8)$ | 10 | 2 | 1 | 1 |
| Total | $\mathbf{6}$ | $\mathbf{6 0}$ | $\mathbf{3 5}$ | $\mathbf{( 1 9 )}$ | $\mathbf{8 0}$ |

(1) Formations include new accounts, disbursements, principal repayments, and exchange rate fluctuation and exclude write-offs.

## HIGHLIGHTS

- GIL ratio declined to 28bps


## PROVISION FOR CREDIT LOSSES



## HIGHLIGHTS

- Specific provisions for credit losses of 21 bps (16 bps excluding Credigy)
- Growth in Credigy's portfolio, PCLs, and profitability continue to meet expectations
- \$2 million transferred from the sectoral allowance
- With the introduction of IFRS9, we expect PCLs in the 20-30 bps range in 2018
* Excluding changes in the sectoral provision and the increase of the collective allowance.

| PCLs (in bps) | Q4 17 | Q3 17 | Q2 17 | Q1 17 | Q4 16 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Personal | 22 | 24 | 24 | 23 | 23 |
| Commercial | 17 | 8 | 11 | 20 | 23 |
| Wealth Management | 4 | 3 | - | 2 | 4 |
| Credigy | 117 | 81 | 80 | 69 | 38 |
| ABA Bank | 39 | 32 | 49 | 23 | 18 |
| Financial Markets | - | - | - | - | - |
| Total Specific Provisions | $\mathbf{2 1}$ | 18 | 18 | 19 | 19 |

OIL AND GAS SECTORAL ALLOWANCE


## APPENDIX

## APPENDIX 1 |STRONG FUNDAMENTALS IN QUEBEC ECONOMY



Source: NBF Economics and Strategy (data via Statistics Canada)


Source: NBF Economy and Strategy, data from Teranet/National Bank


Source: NBF Economy and Strategy, data from Conference Board of Canada


## APPENDIX $2 \mid$ PERFORMANCE SNAPSHOT - YTD 2017

(millions of dollars)

| ADJUSTED |  |  |  |
| :--- | ---: | ---: | :---: |
| ${ }^{(1)}$ | 12 M 17 | 12 M 16 | YoY |
| Revenues $^{(2)}$ | 6,864 | 6,279 | $9 \%$ |
| Expenses | 3,838 | 3,653 | $5 \%$ |
| Net Income | 2,049 | 1,613 | $27 \%$ |
| Diluted EPS | $\$ 5.45$ | $\$ 4.35$ | $25 \%$ |
| ROE | $18.3 \%$ | $15.5 \%$ |  |


| REPORTED | 12M 17 | 12 M 16 | YoY |
| :--- | ---: | ---: | :---: |
| Specified Items | $(25)$ | (357) |  |
| Net Income | 2,024 | 1,256 | $61 \%$ |
| Diluted EPS | $\$ 5.38$ | $\$ 3.29$ | $64 \%$ |
| ROE | $18.1 \%$ | $11.7 \%$ |  |

(1) Excluding specified items (see Appendix 14)
(2) Taxable equivalent basis

## HIGHLIGHTS

- Adjusted diluted EPS of $\$ 5.45$, up $25 \%$ YoY
- Adjusted revenues up 9\% YoY
- Expenses up 5\%
- Adjusted net income of $\$ 2,049$ million, up 27\% YoY


## APPENDIX 3 | PERSONAL AND COMMERCIAL BANKING

| (millions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues | 787 | 0\% | 6\% | 3,061 | 2,900 | 6\% |
| Personal Banking | 363 | (1\%) | 4\% | 1,428 | 1,365 | 5\% |
| Commercial excl. Oil \& Gas sector | 283 | 3\% | 11\% | 1,068 | 994 | 7\% |
| Oil \& Gas sector | 11 | - | (15\%) | 50 | 66 | (24\%) |
| Credit Card | 104 | 4\% | 12\% | 392 | 363 | 8\% |
| Insurance | 26 | (21\%) | (10\%) | 123 | 112 | 10\% |
| Operating Expenses | 411 | - | (3\%) | 1,646 | 1,662 | (1\%) |
| Pre-provisions / Pre-tax | 376 | 1\% | 19\% | 1,415 | 1,238 | 14\% |
| Provisions for Credit Losses | 50 | 11\% | (7\%) | 153 | 475 | (68\%) |
| Net Income | 239 | (0\%) | 25\% | 925 | 557 | 66\% |
| Net Income <br> excluding sectoral provision adj. ${ }^{(2)}$ | 239 | - | 25\% | 896 | 740 | 21\% |
| Key Metrics (billions of dollars) | Q4 17 | QoQ | Yoy | 12M 17 | 12M 16 | YoY |
| Loans \& BAs - Personal (avg vol.) | 65.6 | 1\% | 4\% | 64.7 | 61.5 | 5\% |
| Loans \& BAs - Commercial excluding Oil \& Gas sector (avg vol.) | 30.6 | 1\% | 5\% | 30.2 | 28.6 | 6\% |
| Loans \& BAs - Oil \& Gas sector (avg vol.) | 1.1 | 9\% | (9\%) | 1.0 | 1.8 | (41\%) |
| Loans \& BAs - Total (avg vol.) | 97.3 | 1\% | 4\% | 95.9 | 91.9 | 4\% |
| Deposits (avg vol.) | 56.6 | 2\% | 12\% | 54.3 | 48.4 | 12\% |
| Efficiency Ratio (\%) | 52.2\% |  |  | 53.8\% | 57.3\% |  |

## HIGHLIGHTS Q4-17 vs. Q4-16

- Net income up 25\% YoY due to good revenue growth, strong cost control and solid credit performance
- Revenues up 6\% YoY due to:
- Strong growth in loans, deposits, and other revenues
- Net interest margin up 5 bps (YoY) and 3 bps (QoQ)
- Operating leverage at 9\%
- Efficiency ratio improved by 500 bps


## P\&C MARGINS EVOLUTION ${ }^{(1)}$


(1) NIM is on Earning Assets
(2) Excluding sectoral provision for credit losses of $\$ 250$ million ( $\$ 183$ million net of taxes) in F2016 as well as $\$ 40$ million sectoral provision reversal ( $\$ 29$ million net of taxes) in F2017

| 0.90\% | 0.91\% | 0.89\% | 0.89\% | 0.94\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Q4 16 | Q1 17 | Q2 17 | Q3 17 | Q4 17 |  |
|  |  | $\rightleftharpoons$ Loans | --D |  | NATIONAL BANK |

## APPENDIX $4 \mid$ WEALTH MANAGEMENT ${ }^{(1)}$

| (millions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues | 413 | 2\% | 10\% | 1,613 | 1,451 | 11\% |
| Fee-based | 233 | - | 9\% | 906 | 803 | 13\% |
| Transaction \& Others | 63 | (5\%) | (2\%) | 276 | 276 | - |
| Net Interest Income | 117 | 8\% | 19\% | 431 | 372 | 16\% |
| Operating Expenses | 255 | - | 2\% | 1,017 | 977 | 4\% |
| Provision for Credit Losses | 1 | - | - | 3 | 5 | (40\%) |
| Net Income | 116 | 4\% | 26\% | 439 | 347 | 27\% |
| Key Metrics (billions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| Loans \& BAs (avg vol.) | 10.4 | 3\% | 10\% | 9.9 | 9.4 | 6\% |
| Deposits (avg vol.) | 30.1 | (3\%) | - | 31.2 | 28.3 | 10\% |
| Asset Under Administration | 412 | 13\% | 21\% | 412 | 341 | 21\% |
| Asset Under Management | 66 | 6\% | 16\% | 66 | 56 | 16\% |
| Efficiency Ratio (\%) | 61.7\% |  |  | 63.1\% | 67.3\% |  |

(1) Excluding specified items

## HIGHLIGHTS Q4-17 vs. Q4-16

- Good momentum continues in every business lines
. Revenues up $10 \%$ mainly due to:
- NII growth of 19\% mainly driven by improved margin and rate increase
- Fee-based revenues growth of $9 \%$ due to favorable market conditions and sales momentum in every business lines
- Expenses up 2\% mainly due to variable expenses growth
- Operating leverage was $8 \%$ resulting in an efficiency ratio of 61.7\%, an improvement of 500 bps
- AUA and AUM up 21\% and 16\% respectively due to favorable markets conditions and to the onboarding of an important client at NBIN

ASSETS UNDER MANAGEMENT (\$M)


## APPENDIX 5 | FINANCIAL MARKETS(1)

| (millions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues | 415 | 6\% | 3\% | 1,630 | 1,477 | 10\% |
| Trading | 227 | 10\% | 2\% | 903 | 817 | 11\% |
| Banking Services | 92 | 10\% | 1\% | 338 | 322 | 5\% |
| Financial Market Fees | 65 | (28\%) | (12\%) | 305 | 288 | 6\% |
| Gains on AFS Securities | 21 | 320\% | 320\% | 60 | 16 | 275\% |
| Other | 10 | 67\% | 11\% | 24 | 34 | (29\%) |
| Operating Expenses | 161 | (1\%) | 1\% | 658 | 615 | 7\% |
| Provision for Credit Losses | - | - | - | - | - | - |
| Net Income | 186 | 11\% | 6\% | 712 | 630 | 13\% |
| Other Metrics (millions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | YoY |
| Proprietary Trading | 4 | - | (233\%) | 3 | 2 | 50\% |
| Loans \& BAs (avg vol.) Corporate banking | 13,931 | 5\% | 4\% | 13,118 | 12,552 | 5\% |
| Efficiency Ratio (\%) | 38.8\% |  |  | 40.4\% | 41.6\% |  |

(1) Excluding specified items

## HIGHLIGHTS Q4-17 vs. Q4-16

$\square$ Higher trading revenues mainly driven by securities lending activities
$\square$ Gains from realizations in the available for sale equity portfolio

- Strong Debt Capital Market revenues were offset by lower ECM and M\&A activities
I. Investment Banking pipeline remains good

TRADING REVENUES (\$M)


## APPENDIX 6 | US SPECIALTY FINANCE \& INTERNATIONAL

| (millions of dollars) | Q4 17 | QoQ | Yoy | 12M 17 | 12M 16 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Revenues | 154 | 5\% | 51\% | 541 | 411 | 32\% |
| Credigy | 111 | (5\%) | 39\% | 409 | 324 | 26\% |
| ABA | 38 | 19\% | 58\% | 125 | 41 | 205\% |
| Other | 5 | - | - | 7 | 46 | (85\%) |
| Operating Expenses | 56 | (3\%) | (15\%) | 225 | 207 | 9\% |
| Credigy | 38 | (12\%) | (28\%) | 163 | 182 | (10\%) |
| ABA | 17 | 13\% | 70\% | 59 | 17 | 247\% |
| Other | 1 | - | - | 3 | 8 | (63\%) |
| Provision for Credit Losses | 19 | 58\% | 375\% | 48 | 4 | 1100\% |
| Net Income ${ }^{(1)}$ | 55 | 8\% | 162\% | 184 | 147 | 25\% |
| Other Metrics (millions of dollars) | Q4 17 | QoQ | YoY | 12M 17 | 12M 16 | Yoy |
| Loans \& Receivables and revenue bearing assets (avg vol.) Credigy | 6,315 | 10\% | 46\% | 5,312 | 4,236 | 25\% |
| $\begin{aligned} & \hline \text { Loans (avg vol.) } \\ & \text { ABA } \end{aligned}$ | 1,335 | 10\% | 44\% | 1,172 | 397 | 195\% |
| $\begin{aligned} & \text { Deposits (avg vol.) } \\ & \text { ABA } \\ & \hline \end{aligned}$ | 1,418 | 10\% | 29\% | 1,265 | 487 | 160\% |
| Efficiency Ratio (\%) | 36.4\% |  |  | 41.6\% | 50.4\% |  |

(1) Reported in F2016 net income included a $\$ 41$ million revaluation gain of ABA

HIGHLIGHTS Q4-17 vs. Q4-16

- Credigy's revenues up 39\% due to:
- Strong performance across all products
- US \$3.4 B investments in 2017
- Risks and rewards in line with expectations
- ABA's revenues up $58 \%$ due to strong loan and deposit volume growth
- Moratorium on significant investments in emerging markets extended for all of 2018

QUARTERLY REVENUES (\$M)


## APPENDIX 7 <br> LOAN PORTFOLIO OVERVIEW

| (billions of dollars) | Q4 17 | \% of Total |
| :--- | ---: | :---: |
| Secured - Mortgage \& HELOC | 66.4 | $49 \%$ |
| Secured - Other | 4.8 | $3 \%$ |
| Unsecured | 9.5 | $7 \%$ |
| Credit Cards | 2.1 | $\mathbf{2 \%}$ |
| Total Retail | $\mathbf{8 2 . 8}$ | $\mathbf{6 1 \%}$ |


| (billions of dollars) | Q4 17 |  |
| :--- | ---: | :---: |
| Real Estate | 9.1 | $7 \%$ |
| Retail \& Wholesale Trade | 5.5 | $4 \%$ |
| Finance and Insurance | 4.9 | $4 \%$ |
| Agriculture | 4.9 | $4 \%$ |
| Other services | 4.8 | $3 \%$ |
| Oil \& Gas | 2.1 | $1 \%$ |
| Other ${ }^{(1)}$ | 21.1 | $16 \%$ |
| Total Wholesale | 52.4 | $39 \%$ |
|  |  |  |
| Total Gross Loans and Acceptances | 135.2 | $\mathbf{1 0 0 \%}$ |

## HIGHLIGHTS

- Modest exposure to unsecured retail lending
- Secured retail loans accounts for 52\% of total loans
- Wholesale portfolio is well-diversified across industries
- O\&G Producers/Services account approximately $1 \%$ of total loans
(1) Includes Mining, Manufacturing, Utilities, Transportation, Prof. Services, Construction, Communication, Government and Education \& Health Care

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## APPENDIX 8

| As at October 31, 2017 | RETAIL |  |  | WHOLESALE |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REGION | Secured <br>  <br> HELOC | Secured Others | Unsecured and Credit Card | Oil \& Gas Sector | Commercial | Corporate <br> Banking and <br> Other ${ }^{(1)}$ | TOTAL |
| Quebec | 28.1\% | 2.0\% | 5.4\% | 0.0\% | 18.1\% | 5.0\% | 58.6\% |
| Ontario | 13.0\% | 0.9\% | 1.1\% | 0.1\% | 3.3\% | 4.4\% | 22.8\% |
| Oil Regions (AL/SK/NL) | 4.9\% | 0.3\% | 0.4\% | 1.6\% | 0.8\% | 1.6\% | 9.6\% |
| BC / MB | 3.8\% | 0.5\% | 0.3\% | 0.0\% | 0.9\% | 0.6\% | 6.1\% |
| Maritimes (NB/NS/PE) and Territories | 1.2\% | 0.1\% | 0.5\% | 0.0\% | 0.6\% | 0.5\% | 2.9\% |

${ }^{(1)}$ Includes Corporate, Other FM and Government portfolios

## HIGHLIGHTS

- Loan portfolio concentrated in regions with stronger job growth
- Limited small commercial or unsecured retail lending in the oil regions


## APPENDIX 9 <br> BALANCE SHEET OVERVIEW (Banking Book \& Other)

(billions of dollars)

LENDING - LOANS AND BAs (month end balance)


- YoY growth:

Personal and Wealth Management 5\%
Commercial, Financial Markets 7\%
Commercial O\&G 0\%
USSF\&I 120\%

FUNDING - DEPOSITS AND BAs (month end balance)


- YoY growth:

Personal and Wealth Management 2\%
Commercial, Financial Markets \& Treasury 19\%
Securitization 0\%

## APPENDIX 10 | oll \& GAS SECTOR \& RELATED SEGMENTS

OUTSTANDING LOANS - Q4 17



## HIGHLIGHTS

- $61 \%$ of loans to producers and $50 \%$ to servicers rated investment grade
. Majority of loans in the other wholesale related segments have investment grade rating
- Modest unsecured retail exposure in the region

Note: IG refers to investment grade equivalent AIRB ratings

## APPENDIX 11 PRODUCERS \& SERVICES

## HISTORICAL TREND IN EXPOSURES AT DEFAULT (\$B)



## HIGHLIGHTS

- Small increase in Exposure at Default in the sector
- Sectoral provision for non-impaired loans represents 6\% of total drawn loans and 15\% of non-investment grade drawn loans in this portfolio
- Comfortable with the overall level of provisions for this portfolio


## APPENDIX 12 <br> DAILY TRADING and UNDERWRITING REVENUES vs VAR

Daily Trading and Underwriting Revenues vs Trading VaR - Q4 2017
(CAD millions)


## APPENDIX $13 \mid$ Vartrend

Trading VaR Quarterly Average

\$ millions

## APPENDIX $14 \mid$ Detail of SPECIFIED ITEMS

| (millions of dollars) | Q4 16 | Q1 17 | Q2 17 | Q3 17 | Q4 17 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Wealth Management acquisitions | (9) | (6) | (7) | (8) | (7) |
| Items related to TMX | (2) | - | (2) | - | - |
| MAV and Other Notes | (2) | - | - | - | - |
| Litigation provisions | (25) | - | - | - | - |
| Write-off of Intangible Assets | (44) | - | - | - | - |
| Restructuring charge | (131) | - | - | - | - |
| Income Before Income Taxes | (213) | (6) | (9) | (8) | (7) |
| Income Taxes | 57 | 1 | 1 | 2 | 1 |
| Net Income | (156) | (5) | (8) | (6) | (6) |
| EPS Impact | (0.46) | (0.01) | (0.02) | (0.02) | (0.02) |

## INVESTOR RELATIONS

Financial analysts and investors who want to obtain financial information on the Bank are asked to contact the Investor Relations Department.

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