



## SUPPLEMENTARY REGULATORY CAPITAL DISCLOSURE

**THIRD QUARTER 2016** 

(unaudited)

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## **Notes to users**

- 1) This Supplementary Regulatory Capital Disclosure document is unaudited and should be read in conjunction with the 2015 Annual Report. All amounts are in millions of Canadian dollars unless otherwise stated.
- 2) Financial information is available through the Report to Shareholders for all quarters of 2016 and also in the document entitled *Supplementary Financial Information* which is available on the Bank's website at <a href="https://nxxx.nc.nbc.ca">nbc.ca</a>.



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## Regulatory Capital and Capital Ratios under Basel III<sup>(1)</sup>

|       |   |                          |        | 2016   |       |              | 20     | 15    |       |
|-------|---|--------------------------|--------|--------|-------|--------------|--------|-------|-------|
|       |   |                          | Q3     | Q2     | Q1    | Q4           | Q3     | Q2    | Q1    |
| (unau | dited) (millions of Canadian dollars)   | Reference <sup>(2)</sup> |        |        |       | All-in basis |        |       |       |
|       | Common Equity Tier 1 capital: instruments and reserves  |                          |        |        |       |              |        |       |       |
| 1     | Directly issued qualifying common share capital plus related contributed surplus <sup>(3)</sup>                     | a + a'                   | 2 663  | 2 689  | 2 691 | 2 681        | 2 375  | 2 382 | 2 365 |
| 2     | Retained earnings   | b                        | 6 683  | 6 530  | 6 593 | 6 705        | 6 500  | 6 231 | 5 957 |
| 3     | Accumulated other comprehensive income and other reserves   | С                        | 217    | 145    | 91    | 145          | 234    | 304   | 362   |
| 5     | Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)                | d                        | 7      | _      | _     | _            | _      | _     | _     |
| 6     | Common Equity Tier 1 capital before regulatory adjustments  |                          | 9 570  | 9 364  | 9 375 | 9 531        | 9 109  | 8 917 | 8 684 |
|       | Regulatory adjustments to Common Equity Tier 1 capital  |                          |        |        |       |              |        |       |       |
| 7     | Prudential valuation adjustments  |                          | -      | _      | _     | -            | _      | -     | _     |
| 8     | Goodwill (net of related tax liability)   | е                        | 1 661  | 1 545  | 1 557 | 1 536        | 1 519  | 1 439 | 1 495 |
| 9     | Intangible assets other than mortgage-servicing rights  | f-x                      | 977    | 954    | 898   | 908          | 905    | 895   | 891   |
| 11    | Accumulated other comprehensive income related to cash flow hedges  | h                        | 165    | 160    | 124   | 123          | 94     | 149   | 116   |
| 12    | Shortfall of total provisions to expected losses  | i                        | -      | -      | 12    |              | -      | 3     | -     |
| 14    | Gains (losses) due to changes in own credit risk on fair valued liabilities   | j                        | (2)    | (1)    | 28    | 5            | -      | (1)   | 20    |
| 15    | Defined benefit pension plan assets (net of related tax liability)  | k-y                      | 8      | 30     | 13    | 154          | 98     | 78    | 3     |
| 16    | Investments in own shares (if not already netted off contributed surplus on reported balance sheet)                 | -                        | 3      | 7      | _     | 4            | 5      | 10    | _     |
| 22    | Amount exceeding the 15% threshold  |                          |        |        |       |              |        |       |       |
| 23    | of which: significant investments in the common stock of financials   | n                        | -      | _      | _     | _            | _      | _     | _     |
| 25    | of which: deferred tax assets arising from temporary differences  | 0                        | -      | _      | _     | _            | _      | _     | _     |
| 26    | Other deductions or regulatory adjustments to CET1 as determined by OSFI  |                          |        |        |       |              |        |       |       |
|       | (including regulatory adjustments in respect of own use property)   |                          | _      | _      | _     | _            | 1      | _     | _     |
| 28    | Total regulatory adjustments to Common equity Tier 1  |                          | 2 812  | 2 695  | 2 632 | 2 730        | 2 621  | 2 573 | 2 525 |
| 29    | Common Equity Tier 1 capital (CET1)   |                          | 6 758  | 6 669  | 6 743 | 6 801        | 6 488  | 6 344 | 6 159 |
|       | Additional Tier 1 capital: instruments  |                          |        |        |       |              |        |       |       |
| 30    | Directly issued qualifying Additional Tier 1 instruments plus related contributed surplus <sup>(3)</sup>            | v                        | 1 450  | 1 050  | 1 050 | 650          | 650    | 650   | 650   |
| 31    | of which: classified as equity under applicable accounting standards  | v + z                    | 1 450  | 1 050  | 1 050 | 650          | 650    | 650   | 650   |
| 32    | of which: classified as liabilities under applicable accounting standards   | D                        | _      | _      | _     | _            | _      | _     | _     |
| 33    | Directly issued capital instruments subject to phase out from Additional Tier 1 (3) (4)                             | p' + v'                  | 950    | 1 162  | 1 161 | 1 175        | 1 348  | 1 348 | 1 348 |
| 34    | Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third | F                        | ,,,,   | 1 102  | 1 101 | 2 2, 3       | 23,0   | 23,0  | 1310  |
|       | parties (amount allowed in group AT1)   | q                        | 1      | _      | _     | _            | _      | _     | _     |
| 36    | Additional Tier 1 capital before regulatory adjustments   |                          | 2 401  | 2 212  | 2 211 | 1 825        | 1 998  | 1 998 | 1 998 |
|       | Additional Tier 1 capital: regulatory adjustments   |                          |        |        |       |              |        |       |       |
| 41    | Other deductions from Tier 1 capital as determined by OSFI  |                          | 1      | 1      | _     | -            | -      | 3     | -     |
| 41a   | of which: Reverse mortgages   |                          | 1      | 1      | _     | _            | -      | 3     | _     |
| 43    | Total regulatory adjustments to Additional Tier 1 capital   |                          | 1      | 1      | _     | _            | I      | 3     | _     |
| 44    | Additional Tier 1 capital (AT1)   |                          | 2 400  | 2 211  | 2 211 | 1 825        | 1 998  | 1 995 | 1 998 |
| 45    | Tier 1 capital (T1 = CET1 + AT1)  |                          | 9 158  | 8 880  | 8 954 | 8 626        | 8 486  | 8 339 | 8 157 |
|       | Tier 2 capital: instruments and provisions  |                          |        |        |       |              |        |       |       |
| 47    | Directly issued capital instruments subject to phase out from Tier $2^{(3)(5)}$                                     | r'                       | 1 009  | 1 009  | 1 010 | 1 008        | 1 508  | 1 508 | 1 520 |
| 48    | Tier 2 instruments (and CET1 and AT1 instruments not included in rows 5 or 34) issued by subsidiaries and held by   |                          |        |        |       |              |        |       |       |
|       | third parties (amount allowed in group Tier 2)  | S                        | 2      | -      | -     | -            | _      | -     | -     |
| 50    | Collective allowances <sup>(6)</sup>  | t                        | 236    | 275    | 33    | 44           | 33     | 27    | 44    |
| 51    | Tier 2 capital before regulatory adjustments  |                          | 1 247  | 1 284  | 1 043 | 1 052        | 1 541  | 1 535 | 1 564 |
| E 7   | Tier 2 capital: regulatory adjustments  |                          |        | Г      |       |              |        | T     |       |
| 57    | Total regulatory adjustments to Tier 2 capital  |                          | _      | _      | _     | _            | _      |       |       |
| 58    | Tier 2 capital (T2)   |                          | 1 247  | 1 284  | 1 043 | 1 052        | 1 541  | 1 535 | 1 564 |
| 59    | Total capital (TC = T1 + T2)  |                          | 10 405 | 10 164 | 9 997 | 9 678        | 10 027 | 9 874 | 9 721 |

<sup>(1)</sup> As requested by the Office of the Superintendent of Financial Institutions (Canada) (OSFI), all the Domestic Systemically Important Banks (D-SIBs) in Canada must fully apply the Basel III deductions and must disclose the all-in-ratios.

<sup>(2)</sup> Reconciliation with Balance Sheet is presented on page 7.

<sup>(3)</sup> A complete list of capital instruments and their main features is now available on the Bank's website at nbc.ca under Investor Relations > Capital & Debt Information > Main Features of Regulatory Capital Instruments.

<sup>(4)</sup> Figures as at October 31, 2015 include the redemption of Series 20 preferred shares on November 15, 2015.

<sup>(5)</sup> Figures as at October 31, 2015 include the November 2, 2015 redemption of \$500 million in notes.

<sup>(6)</sup> During the second quarter of 2016, a \$250 million (\$183 million net of income taxes) sectoral provision for credit losses was recorded for producers and service companies in the oil and gas sector.

# Regulatory Capital and Capital Ratios under Basel III<sup>(1)</sup> (continued)

|          |  |        | 2016   |        |                    | 20     | 15     |        |
|----------|--|--------|--------|--------|--------------------|--------|--------|--------|
|          |  | Q3     | Q2     | Q1     | Q4                 | Q3     | Q2     | Q1     |
| <u> </u> | dited) (millions of Canadian dollars)  |        |        |        | All-in basis       |        |        |        |
| 60a      | Common Equity Tier 1 Capital RWA (CET1)  | 68 530 | 68 375 | 69 741 | 68 835             | 68 617 | 67 071 | 66 264 |
|          | Tier 1 Capital RWA   | 68 765 | 68 604 | 70 006 | 69 094             | 68 883 | 67 333 | 66 534 |
| 60c      | Total capital RWA  | 68 966 | 68 800 | 70 233 | 69 316             | 69 111 | 67 557 | 66 766 |
|          | Capital ratios   |        |        |        |                    |        |        |        |
| 61       | Common Equity Tier 1 (as a percentage of risk weighted assets)   | 9.9%   | 9.8%   | 9.7%   | 9.9%               | 9.5%   | 9.5%   | 9.3%   |
| 62       | Tier 1 (as a percentage of risk weighted assets) <sup>(2)</sup>  | 13.3%  | 12.9%  | 12.8%  | 12.5%              | 12.3%  | 12.4%  | 12.3%  |
| 63       | Total capital (as a percentage of risk weighted assets) <sup>(2) (3)</sup>   | 15.1%  | 14.8%  | 14.2%  | 14.0%              | 14.5%  | 14.6%  | 14.6%  |
| 64       | Institution-specific buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer |        |        |        |                    |        |        |        |
|          | requirement plus D-SIB buffer requirement expressed as a percentage of risk weighted assets)                         | 8.0%   | 8.0%   | 8.0%   | 7.0%               | 7.0%   | 7.0%   | 7.0%   |
| 67       | of which: G-SIB buffer requirement   | na     | na     | na     | na                 | na     | na     | na     |
| 67a      | of which: D-SIBs buffer requirement  | 1.0%   | 1.0%   | 1.0%   | na                 | na     | na     | na     |
| 68       | Common Equity Tier 1 available to meet buffers (as a percentage of risk weighted assets)                             | 9.9%   | 9.8%   | 9.7%   | 9.9%               | 9.5%   | 9.5%   | 9.3%   |
|          | OSFI all-in target   |        |        |        |                    |        |        |        |
| 69       | Common Equity Tier 1 all-in target ratio   | 8.0%   | 8.0%   | 8.0%   | 7.0%               | 7.0%   | 7.0%   | 7.0%   |
| 70       | Tier 1 capital all-in target ratio   | 9.5%   | 9.5%   | 9.5%   | 8.5%               | 8.5%   | 8.5%   | 8.5%   |
| 71       | Total capital all-in target ratio  | 11.5%  | 11.5%  | 11.5%  | 10.5%              | 10.5%  | 10.5%  | 10.5%  |
|          | Amounts below the thresholds for deduction (before risk weighting)   |        |        |        |                    |        |        |        |
| 72       | Non-significant investments in the capital of other financials institutions  | 234    | 255    | 198    | 148                | 193    | 200    | 245    |
|          | Significant investments in the common stock of financials institutions   | 229    | 278    | 321    | 412                | 410    | 297    | 345    |
| 75       | Deferred tax assets arising from temporary differences (net of related tax liabilities)                              | 31     | 24     | 467    | 414                | 427    | 428    | 424    |
|          | Applicable caps on the inclusion of allowance in Tier 2  |        |        |        |                    |        |        |        |
| 76       | Allowance eligible for inclusion in Tier 2 in respect of exposures subject to standardised approach                  |        |        |        |                    |        |        |        |
|          | (prior to application of cap)  | 65     | 51     | 33     | 35                 | 31     | 27     | 25     |
| 77       | Cap on inclusion of allowance in Tier 2 under standardised approach  | 81     | 58     | 66     | 68                 | 60     | 53     | 47     |
| 78       | Allowance eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach        |        |        |        |                    |        |        |        |
|          | (prior to application of cap) <sup>(4)</sup>   | 171    | 224    | -      | 8                  | 2      | -      | 19     |
| 79       | Cap on inclusion of allowance in Tier 2 under internal ratings-based approach  | 304    | 310    | 317    | 310                | 318    | 316    | 313    |
|          | Capital instruments subject to phase-out arrangements (only applicable between Jan 1, 2018 and Jan 1, 2022)          |        |        |        |                    |        |        |        |
| 82       | Current cap on AT1 instruments subject to phase out arrangements   | 1 162  | 1 162  | 1 162  | 1 356              | 1 356  | 1 356  | 1 356  |
| 83       | Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)                               | -      | -      | -      | -                  | -      | -      | -      |
| 84       | Current cap on T2 instruments subject to phase out arrangements  | 1 429  | 1 429  | 1 429  | 1 667              | 1 667  | 1 667  | 1 667  |
| 85       | Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)                                | -      | -      | _      | -                  | -      | _      | _      |
|          | Transitional Capital Disclosure Template   |        |        |        | Transitional basis |        |        |        |
| 29       | Common Equity Tier 1 capital (CET1)  | 7 819  | 7 710  | 7 769  | 8 384              | 8 005  | 7 808  | 7 609  |
| 45       | Tier 1 capital (T1 = CET1 + AT1)   | 9 554  | 9 296  | 9 355  | 9 287              | 9 091  | 8 930  | 8 705  |
| 59       | Total capital (TC = T1 + T2)   | 10 801 | 10 580 | 10 395 | 10 339             | 10 632 | 10 465 | 10 274 |
| 60       | Total risk weighted assets   | 70 132 | 69 947 | 71 468 | 70 806             | 70 591 | 69 008 | 72 038 |
| 61       | Common Equity Tier 1 (as a percentage of risk weighted assets)   | 11.2%  | 11.0%  | 10.9%  | 11.8%              | 11.3%  | 11.3%  | 10.6%  |
|          | Tier 1 (as a percentage of risk weighted assets) <sup>(2)</sup>  | 13.6%  | 13.3%  | 13.1%  | 13.1%              | 12.9%  | 12.9%  | 12.1%  |
| 63       | Total capital (as a percentage of risk weighted assets) <sup>(2) (3)</sup>   | 15.4%  | 15.1%  | 14.6%  | 14.6%              | 15.1%  | 15.2%  | 14.3%  |

<sup>(1)</sup> As requested by the Office of the Superintendent of Financial Institutions (Canada) (OSFI), all the Domestic Systemically Important Banks (D-SIBs) in Canada must fully apply the Basel III deductions and must disclose the all-in-ratios.

<sup>(2)</sup> Ratios as at October 31, 2015 include the redemption of Series 20 preferred shares on November 15, 2015.

<sup>(3)</sup> Ratios as at October 31, 2015 include the November 2, 2015 redemption of \$500 million in notes.

<sup>(4)</sup> During the second quarter of 2016, a \$250 million (\$183 million net of income taxes) sectoral provision for credit losses was recorded for producers and service companies in the oil and gas sector.



## Leverage Ratio under Basel III

|       |  |         | 2016    |         |         | 20      | 15      |         |
|-------|--|---------|---------|---------|---------|---------|---------|---------|
| (unaı | dited) (millions of Canadian dollars)  | Q3      | Q2      | Q1      | Q4      | Q3      | Q2      | Q1      |
|       | Accounting assets vs. leverage ratio exposure — Transitional basis   |         |         |         |         |         |         |         |
| 1     | Total consolidated assets as per published financial statements  | 229 896 | 220 734 | 219 301 | 216 090 | 215 560 | 207 123 | 214 474 |
| 2     | Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation | (76)    | (89)    | (53)    | (59)    | (70)    | (87)    | (77)    |
| 3     | Adjustment for fiduciary assets recognised on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure               | -       | -       | -       | -       | -       | -       | -       |
| 4     | Adjustment for derivative financial instruments <sup>(1)</sup>   | 1 348   | 1 091   | 567     | 1 924   | 3 516   | 4 178   | 318     |
| 5     | Adjustment for securities financing transactions <sup>(1)</sup>  | 1 220   | 1 832   | 1 826   | 1 972   | 1 415   | (1 966) | (3 381) |
| 6     | Adjustment for off balance-sheet items   | 20 294  | 19 996  | 19 599  | 19 585  | 18 745  | 18 472  | 17 761  |
| 7     | Other adjustments  | (4 010) | (3 767) | (3 968) | (3 915) | (5 160) | (4 003) | (4 030) |
| 8     | Leverage Ratio Exposure (transitional basis)   | 248 672 | 239 797 | 237 272 | 235 597 | 234 006 | 223 717 | 225 065 |

| 2   30   20   20   20   20   20   20   |    |  |          |          |          |          |          |          |          |
|--|----|--|----------|----------|----------|----------|----------|----------|----------|
| 1  |    | Leverage ratio common disclosure   |          |          |          |          |          |          |          |
| 2   2   2   2   2   2   2   2   2   2  |    | On-balance sheet exposures   |          |          |          |          |          |          |          |
| 1  | 1  | On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)                 | 202 407  | 193 238  | 188 359  | 185 659  | 180 550  | 176 215  | 176 139  |
| Derivative exposures   A Replacement too's associated with all derivative transactions (i.e., net of eligible cash variation margin)   A 828   6337   7318   5527   7370   6152   7764   7365   7764   7365   7365   7365   7366   7374   7376 | 2  | (Asset amounts deducted in determining Basel III transitional Tier 1 capital)  | (2 421)  | (2 301)  | (2 238)  | (2 086)  | (2 015)  | (1 986)  | (1 969)  |
| A speciar ment coat associated with all derivative transactions (a., net of eligible cash variation margin)   A speciar ment coat associated with all derivative transactions (b. Ado- amounts for FPE associated with all derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amounts for FPE associated with all derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amounts for FPE associated with all derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amounts of creabules assets for cash variation margin provided in derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amount of cash pass) (b. Ado- amount of written credit derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amount of cash pass) (b. Ado- amount of cash pass) (b. Ado- amount of cash pass) (b. Ado- amount of written credit derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amount of written credit derivative transactions)   A speciar ment coat associated with all derivative transactions (b. Ado- amount of written credit derivative transactions)   A special derivative transaction exposures   B certificity ment of the pass of the pas | 3  | Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2)   | 199 986  | 190 937  | 186 121  | 183 573  | 178 535  | 174 229  | 174 170  |
| 5   Add on amounts for PTc associated with all derivative transactions   6,17   6,272   6,262   6,881   8,217   8,363   7,274   7,27 |    | Derivative exposures   |          |          |          |          |          |          |          |
| Foreign   Fore | 4  | Replacement cost associated with all derivative transactions (i.e., net of eligible cash variation margin)                               | 4 828    | 6 337    | 7 318    | 5 527    | 7 370    | 6 152    | 7 764    |
| Countries of receivables assets for cash variation margin provided in derivative transactions)   Countries of Receivable (Colleg of Client celeral trade exposures)   Countries of Countr | 5  | Add-on amounts for PFE associated with all derivative transactions   | 6 417    | 6 272    | 6 262    | 6 881    | 8 217    | 8 363    | 7 274    |
| Real Examples (CP-lag of ident cleared trade exposures)  | 6  | Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework | -        | -        | -        | -        | -        | -        | _        |
| Mailused effective notional amount of written credit derivatives   1046   663   518   357   311   281   180   18 | 7  | (Deductions of receivables assets for cash variation margin provided in derivative transactions)   | -        | -        | -        | -        | -        | -        | _        |
| 10   Algisted effective notional offsets and add-on deductions for written credit derivatives)   1   2   3   3   3   3   4   5   5   5   5   5   5   5   5   5   | 8  | (Exempted CCP-leg of client cleared trade exposures)   | -        | -        | -        | -        | -        | -        | -        |
| 1   Total derivative exposures (sum of lines 4 to 10)   13 277   14 098   12 765   15 898   14 796   15 218   25 218   25 22 22 22 22 22 22 22 22 22 22 22 22  | 9  | Adjusted effective notional amount of written credit derivatives   | 1 046    | 663      | 518      | 357      | 311      | 281      | 180      |
| Securities financing transaction exposures   12 Gross SFT assects recognised for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions   14 880   13 760   15 628   17 702   19 413   23 887   25 887   05 701   10 10 10   10 10 10   10 10 10   10 10 10   10 10 10   10 10 10 10   10 10 10 10   10 10 10 10 10   10 10 10 10 10 10 10 10 10 10 10 10 10   | 10 | (Adjusted effective notional offsets and add-on deductions for written credit derivatives)   | -        | -        | -        | -        | -        | -        | _        |
| 12   Gross SFT assets recognised for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions   14 880   13 760   15 628   17 702   19 413   23 887   25 597   13 (Netted amounts of cash payables and cash receivables of gross SFT assets)   (1270)   (240)   (337)   (199)   (729)   (9540)   (9570)   (1941)   | 11 | Total derivative exposures (sum of lines 4 to 10)  | 12 291   | 13 272   | 14 098   | 12 765   | 15 898   | 14 796   | 15 218   |
| 13   Netted amounts of cash payables and cash receivables of gross SFT assets)   |    | Securities financing transaction exposures   |          |          | _        |          |          |          |          |
| 14       Counterparty credit risk (CCR) exposure for SFTS       2 490       2 078       2 163       2 171       2 144       1 880       1 889         15       Agent transaction exposures   | 12 | Gross SFT assets recognised for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions   | 14 880   | 13 760   | 15 628   | 17 702   | 19 413   | 23 887   | 25 597   |
| 1-   | 13 | (Netted amounts of cash payables and cash receivables of gross SFT assets)   | (1 270)  | (246)    | (337)    | (199)    | (729)    | (9 547)  | (9 570)  |
| 16       Total securities financing transaction exposures (sum of lines 12 to 15)       16 10 10 15 592       17 454       19 674       20 828       16 200       17 916         Uther off-balance sheet exposure at gross notional amount       57 378       57 08       55 485       55 488       52 892       52 948         16 10 0 16 balance sheet exposure at gross notional amount       57 378       57 08       55 485       55 488       52 892       52 948         18 (Adjustnets for conversion to credit equivalent amounts)       37 084       37 084       37 082       35 886       35 886       35 888       52 892       52 948         19 5 balance sheet items (sum of lines 17 and 18)       20 29       19 99       19 599       19 585       18 745       18 747       17 761         20 The 1 capital <sup>10</sup> 9 584       9 296       9 355       9 287       9 991       8 930       8 705         10 Lex posures (sum of lines 3, 11, 16 and 19)       9 286       9 295       9 287       9 991       8 993       8 205         10 Lex posures (sum of lines 3, 11, 16 and 19)       3 .89       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       3 .99       <  | 14 | Counterparty credit risk (CCR) exposure for SFTs   | 2 490    | 2 078    | 2 163    | 2 171    | 2 144    | 1 880    | 1 889    |
| Other off-balance sheet exposures   September   Sept | 15 | Agent transaction exposures  | -        | -        | -        | -        | -        | -        | -        |
| 17   Off-balance sheet exposure at gross notional amount   | 16 | Total securities financing transaction exposures (sum of lines 12 to 15)   | 16 100   | 15 592   | 17 454   | 19 674   | 20 828   | 16 220   | 17 916   |
| 18 (Adjustments for conversion to credit equivalent amounts)       (37 084)       (37 022)       (35 886)       (35 853)       (35 103)       (34 420)       (35 187)         19 Off-balance sheet items (sum of lines 17 and 18)       20 294       19 996       19 599       19 585       18 745       18 472       17 761         Capital and Total Exposures - Transitional Basis         20 Tier 1 capital (3)       9 554       9 296       9 355       9 287       9 091       8 930       8 705         21 Everage Ratio – Transitional Basis       248 671       239 797       237 272       235 597       234 006       223 717       225 065         22 Basel III leverage ratio       3.8%       3.9% <t< th=""><th></th><th>Other off-balance sheet exposures</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>   |    | Other off-balance sheet exposures  |          |          |          |          |          |          |          |
| 19   Off-balance sheet items (sum of lines 17 and 18)   19 96   19 99   19 585   18 745   18 472   17 761  | 17 | Off-balance sheet exposure at gross notional amount  | 57 378   | 57 018   | 55 485   | 55 438   | 53 848   | 52 892   | 52 948   |
| Capital and Total Exposures - Transitional Basis   20   Tier 1 capital (20   20   20   20   20   20   20   20  | 18 | (Adjustments for conversion to credit equivalent amounts)  | (37 084) | (37 022) | (35 886) | (35 853) | (35 103) | (34 420) | (35 187) |
| Ter 1 capital (2)   Ter 1 capital (2)   Total Exposures (sum of lines 3, 11, 16 and 19)   1  | 19 | Off-balance sheet items (sum of lines 17 and 18)   | 20 294   | 19 996   | 19 599   | 19 585   | 18 745   | 18 472   | 17 761   |
| 21       Total Exposures (sum of lines 3, 11, 16 and 19)       248 671       239 797       237 272       235 597       234 006       223 717       225 065         Leverage Ratio – Transitional Basis         22       Basel III leverage ratio       3.8%       3.9%       3.9%       3.9%       3.9%       4.0%       3.9%         All-in basis (Required by OSFI)       Tel 1 capital – All-in basis (2)       8 880       8 954       8 626       8 486       8 339       8 157         24       (Regulatory adjustments)       (2 816)       (2 697)       (2 604)       (2 726)       (2 620)       (2 577)       (2 506)         25       Total Exposures       248 276       239 401       236 906       234 957       233 401       223 126       224 528  |    | Capital and Total Exposures - Transitional Basis   |          |          |          |          |          |          |          |
| Leverage Ratio - Transitional Basis   22   Basel III leverage ratio   3.8%   3.9%    | 20 | Tier 1 capital <sup>(2)</sup>  | 9 554    | 9 296    | 9 355    | 9 287    | 9 091    | 8 930    | 8 705    |
| 22     Basel II leverage ratio     3.8%     3.9%     3.9%     3.9%     3.9%     4.0%     3.9%       All-in basis (Required by OSFI)       23     Ter 1 capital – All-in basis (2)     9 158     8 880     8 954     8 626     8 486     8 339     8 157       24     (Regulatory adjustments)     (2 816)     (2 697)     (2 604)     (2 726)     (2 607)     (2 507)     (2 506)       25     Total Exposures     248 276     239 401     236 906     234 957     233 401     223 126     224 528   | 21 | Total Exposures (sum of lines 3, 11, 16 and 19)  | 248 671  | 239 797  | 237 272  | 235 597  | 234 006  | 223 717  | 225 065  |
| All-in basis (Required by OSF)     23   Tier 1 capital — All-in basis (2)     24   (Regulatory adjustments)     25   Total Exposures   18   19   18   18   18   18   18   18   |    | Leverage Ratio – Transitional Basis  |          |          |          |          |          |          |          |
| 23     Tier 1 capital — All-in basis <sup>(2)</sup> 8 880     8 954     8 626     8 486     8 339     8 157       24     (Regulatory adjustments)     (2 816)     (2 697)     (2 604)     (2 726)     (2 602)     (2 577)     (2 506)       25     Total Exposures     248 276     239 401     236 906     234 957     233 401     223 126     224 528   | 22 | Basel III leverage ratio   | 3.8%     | 3.9%     | 3.9%     | 3.9%     | 3.9%     | 4.0%     | 3.9%     |
| 23     Tier 1 capital — All-in basis <sup>(2)</sup> 8 880     8 954     8 626     8 486     8 339     8 157       24     (Regulatory adjustments)     (2 816)     (2 697)     (2 604)     (2 726)     (2 602)     (2 577)     (2 506)       25     Total Exposures     248 276     239 401     236 906     234 957     233 401     223 126     224 528   |    | All-in basis (Required by OSFI)  |          |          |          |          |          |          |          |
| 25 Total Exposures 248 276 239 401 236 906 234 957 233 401 223 126 224 528   |    |  | 9 158    | 8 880    | 8 954    | 8 626    | 8 486    | 8 339    | 8 157    |
|  | 24 | (Regulatory adjustments)   | (2 816)  | (2 697)  | (2 604)  | (2 726)  | (2 620)  | (2 577)  | (2 506)  |
| 26 Leverage ratio – All-in basis 3.7% 3.8% 3.7% 3.8% 3.7% 3.6% 3.7% 3.6%   | 25 | Total Exposures  | 248 276  | 239 401  | 236 906  | 234 957  | 233 401  | 223 126  | 224 528  |
|  | 26 | Leverage ratio – All-in basis  | 3.7%     | 3.7%     | 3.8%     | 3.7%     | 3.6%     | 3.7%     | 3.6%     |

<sup>(1)</sup> Adjustments due to differences between accounting and regulatory netting standards.

 $<sup>(2) \</sup> Figures \ as \ at \ October \ 31, \ 2015 \ include \ the \ redemption \ of \ Series \ 20 \ preferred \ shares \ on \ November \ 15, \ 2015.$ 

### Reconciliation between Financial Accounting and Regulatory Capital Balance Sheets (1)

| (unaudited) (millions of Canadian dollars)  Assets Cash and deposits with financial institutions Securities Assets purchased under reverse repurchase agreements and securities borrowed Loans | Cross - Reference to Definition of Capital <sup>(2)</sup> | As In Report to Shareholders | Deconsolidation of Insurance <sup>(3)</sup> and other entities <sup>(4)</sup> | Under regulatory scope of consolidation | Of which            |
|--|---|------------------------------|---|---|---------------------|
| Cash and deposits with financial institutions Securities Assets purchased under reverse repurchase agreements and securities borrowed  |   |                              |   |   |                     |
| Securities Assets purchased under reverse repurchase agreements and securities borrowed  |   |                              |   |   | l                   |
| Assets purchased under reverse repurchase agreements and securities borrowed   |   | 8 824                        | -   | 8 824                                   |                     |
|  |   | 62 441                       | 3 749   | 66 190                                  |                     |
|  |   | 14 880                       | -   | 14 880                                  |                     |
| Residential mortgage   |   | 47 531                       | (18 897)  | 28 634                                  |                     |
| Personal and credit card   |   | 33 429                       | (1 388)   | 32 041                                  |                     |
| Business and governement   |   | 37 650                       | -   | 37 650                                  |                     |
| Customers' liability under acceptances   |   | 6 959                        | -   | 6 959                                   |                     |
| Less: Allowances for credit losses   |   | (780)                        | -   | (780)                                   |                     |
| Collective allowances reflected in Tier 2 regulatory capital <sup>(5)</sup> Shortfall of allowances to expected loss   | i   |                              |   |   | (236)               |
| Allowances not reflected in regulatory capital   | •   |                              |   |   | (544)               |
| Other assets   |   |                              |   |   | ()44)               |
| Derivative financial instruments   |   | 10 943                       | -   | 10 943                                  |                     |
| Other  |   | 8 019                        | (52)  | 7 967                                   |                     |
| Goodwill   | e   |                              |   |   | 1 661               |
| Intangibles assets   | f   |                              |   |   | 1 142               |
| Deferred tax assets  Deferred tax assets excluding those arising from temporary differences  | _   |                              |   |   | 503                 |
| Deferred tax assets excluding those arising from temporary differences exceeding regulatory thresholds   | 8   |                              |   |   | _                   |
| Deferred tax assets arising from temporary differences exceeding regulatory tiffesholds  Deferred tax assets - realize through loss carrybacks   | •   |                              |   |   | 472                 |
| Deferred tax assets - other temporary differences  |   |                              |   |   | 31                  |
| Defined-benefit pension fund net assets  | k   |                              |   |   | 11                  |
| Significant investments in other financial institutions  |   |                              |   |   | 229                 |
| Significant investments exceeding regulatory thresholds  | m + n   |                              |   |   | -                   |
| Significant investments not exceeding regulatory thresholds  |   |                              |   |   | 229                 |
| Other Total assets   |   | 229 896                      | (16 588)  | 213 308                                 | 4 420               |
| Liabilities  |   | 22,000                       | (20 300)  | 213 300                                 |                     |
| Deposits   |   | 138 875                      | _   | 138 875                                 |                     |
| Derivatives financial instruments  |   | 7 968                        | -   | 7 968                                   |                     |
| Other liabilities  |   | 70 022                       | (16 588)  | 53 434                                  |                     |
| Gains and losses due to changes in own credit risk on fair value liabilities   | j   |                              |   |   | (2)                 |
| Deferred tax liabilities   |   |                              |   |   | 164                 |
| Related to goodwill<br>Related to intangibles  | w   |                              |   |   | -<br>165            |
| Related to Intangioles Related to pensions   | Ŷ   |                              |   |   | 165                 |
| Other deferred tax liabilities   | ,   |                              |   |   | (4)                 |
| Other  |   |                              |   |   | 53 272              |
| Subordinated debt  |   | 1 014                        | -   | 1 014                                   |                     |
| Regulatory capital amortization of maturing debentures   |   |                              |   |   | -                   |
| Fair value adjustment and unamortized issuance cost  |   |                              |   |   | 5                   |
| Subordinated debentures used for regulatory capital Allowed for inclusion in Tier 2 capital  |   |                              |   |   | 1 009               |
| Subject to phase out   | r.  |                              |   |   | 1 009               |
| Ineligible additional Tier 2 capital   | ·   |                              |   |   | -                   |
| Excluded from Tier 2 capital due to cap  |   |                              |   |   | _                   |
| Total liabilities  |   | 217 879                      | (16 588)  | 201 291                                 |                     |
| Equity Attributable to Shareholders  |   | 11 213                       | -   | 11 213                                  |                     |
| Common shares  | a   |                              |   |   | 2 592               |
| Contributed surplus  | a'  |                              |   |   | 71                  |
| Retained Earnings  | D C   |                              |   |   | 6 683<br><b>217</b> |
| Accumulated Other Comprehensive Income (loss)  Net gains (losses) on instruments designated as cash flow hedges  | h   |                              |   |   | 217<br>165          |
| Other  |   |                              |   |   | 52                  |
| Preferred shares   |   |                              |   |   | 1 650               |
| Allowed for inclusion in additional Tier 1 capital   | V   |                              |   |   | 1 450               |
| Subject to phase out   | ٧   |                              |   |   | 200                 |
| Ineligible additional Tier 1 capital   |   |                              |   |   | -                   |
| Excluded from additional Tier 1 capital due to cap  Non-controlling interests  |   | 804                          | 10  | 814                                     | -                   |
| Innovative instruments   |   | 804                          | 10  | 814                                     | 814                 |
| Allowed for inclusion in additional Tier 1 capital   |   |                              |   |   | - 014               |
| Subject to phase out   | p'  |                              |   |   | 750                 |
| Excluded from additional Tier 1 capital due to cap   |   |                              |   |   | -                   |
| Other  |   |                              |   |   | 54                  |
| Portion allowed for inclusion into CET1  | d   |                              |   |   | 7                   |
| Portion allowed for inclusion into Tier 1 capital  | q   |                              |   |   | 1                   |
| Portion allowed for inclusion into Tier 2 capital  Portion not allowed for regulatory capital  | S   |                              |   |   | 2                   |
| Portion not allowed for regulatory capital  Total Equity   |   | 12 017                       | 10  | 12 027                                  | -                   |
| Total Liabilities and Equity   |   | 229 896                      | (16 578)  | 213 318                                 |                     |

<sup>(1)</sup> The basis of consolidation used for financial accounting purposes, described in note 1 to the 2015 Annual Report audited consolidated financial statements, may differ from regulatory purposes.

The regulatory consolidation does not include structured entities, where significant risk has been transferred to third parties nor subsidiaries and associates engaged in insurance activities.

<sup>(2)</sup> The references identify balance sheet components which are used in calculation of regulatory capital on page 4.

<sup>(3)</sup> Total assets related to Insurance activities and National Bank Life Insurance Company, and other are \$163 million and \$11 million respectively.

<sup>(4)</sup> The amount is mainly due to securitization entities. For more information on structured entities, please see pages 185 to 188 of the 2015 Annual Report.

(5) During the second quarter of 2016, a \$250 million (\$183 million net of income taxes) sectoral provision for credit losses was recorded for producers and service companies in the oil and gas sector.

# Capital Adequacy under Basel III (1)

|   |                     |              |               | 201   | 6               |                                       |         |        |         |        | 15      |                  |
|---|---------------------|--------------|---------------|-------|-----------------|---------------------------------------|---------|--------|---------|--------|---------|------------------|
|   |                     |              | Q3            |       |                 |                                       | Q2      | Q1     | Q4      | Q3     | Q2      | Q1               |
|   |                     | 1            |               | Risk- | weighted assets | Comital                               |         |        |         |        |         |                  |
| (unaudited) (millions of Canadian dollars)        | Exposure at default | Standardized | AIRB Approach | Other | Total           | Capital<br>requirement <sup>(2)</sup> |         |        |         |        | Dieka   | veigthed assets  |
| Credit risk                                       | ueiauii             | Standardized | AIND Approach | Other | Totat           | requirement                           |         | Ī      | 1       |        | KISK-V  | veigilieu asseis |
| Retail  |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
| Residential mortgages                             | 47 567              | 624          | 4 824         |       | 5 448           | 436                                   | 5 027   | 5 265  | 4 975   | 4 823  | 4 920   | 4 692            |
| Qualifying revolving retail                       | 5 692               | 624          | 1 227         | _     | 1 227           | 98                                    | 1 152   | 1 011  | 1 036   | 973    | 1 017   | 1 003            |
| Other retail                                      | 15 306              | 1 966        | 4 908         | _     | 6 874           | 550                                   | 6 705   | 6 692  | 6 651   | 6 507  | 5 589   | 5 049            |
| Non-retail  | 15 500              | 1 900        | 4 906         | _     | 0 0 / 4         | 550                                   | 6703    | 0 092  | 0 0 5 1 | 0 307  | 3 369   | 5 049            |
| Corporate   | 57 548              | 2 257        | 23 744        |       | 26 001          | 2 080                                 | 26 869  | 27 196 | 26 662  | 26 486 | 25 683  | 24 155           |
| Sovereign   | 28 045              | 193          | 656           | _     | 849             | 68                                    | 580     | 658    | 629     | 578    | 633     | 550              |
| Financial institutions                            | 4 303               | 360          | 1 011         | _     | 1 371           | 109                                   | 1 315   | 1 209  | 974     | 835    | 746     | 845              |
|   |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
| Banking book equity <sup>(3)</sup>                | 624                 | -            | 624           | _     | 624             | 50                                    | 595     | 580    | 593     | 578    | 633     | 589              |
| Securitization                                    | 3 177               | -            | 785           |       | 785             | 63                                    | 781     | 795    | 798     | 755    | 1 582   | 2 291            |
| Other assets                                      | 27 291              | -            | -             | 3 700 | 3 700           | 296                                   | 3 495   | 3 842  | 4 252   | 4 213  | 4 754   | 5 202            |
| Counterparty credit risk                          |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
| Corporate   | 6 853               | 58           | 61            | -     | 119             | 10                                    | 91      | 94     | 96      | 102    | 69      | 80               |
| Sovereign   | 15 257              | -            | 18            | -     | 18              | 1                                     | 17      | 14     | 22      | 16     | 13      | 6                |
| Financial institutions                            | 58 759              | -            | 1 683         | -     | 1 683           | 135                                   | 1 204   | 1 415  | 1 402   | 1 756  | 1 477   | 1 423            |
| Trading portfolio                                 | 9 683               | 189          | 2 307         | -     | 2 496           | 199                                   | 2 659   | 2 897  | 2 774   | 3 765  | 3 572   | 3 743            |
| Credit valuation adjustment charge <sup>(4)</sup> |                     | 2 145        | -             | -     | 2 145           | 172                                   | 2 090   | 2 423  | 2 367   | 2 434  | 2 395   | 2 475            |
| Regulatory scaling factor                         |                     | _            | 2 508         | -     | 2 508           | 201                                   | 2 570   | 2 593  | 2 512   | 2 577  | 2 511   | 2 430            |
| Total - Credit risk                               | 280 105             | 7 792        | 44 356        | 3 700 | 55 848          | 4 468                                 | 55 150  | 56 684 | 55 743  | 56 398 | 55 594  | 54 533           |
|   |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
| Market risk                                       |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
| VaR   |                     | -            | 1 097         | -     | 1 097           | 88                                    | 1 319   | 1 266  | 1 262   | 976    | 731     | 693              |
| Stressed VaR                                      |                     | -            | 1 512         | -     | 1 512           | 121                                   | 1 972   | 1 707  | 1 875   | 1 225  | 953     | 1 086            |
| Interest-rate specific risk                       |                     | 682          | -             | -     | 682             | 54                                    | 680     | 806    | 828     | 920    | 864     | 1 099            |
| Total - Market risk                               |                     | 682          | 2 609         | _     | 3 291           | 263                                   | 3 971   | 3 779  | 3 965   | 3 121  | 2 548   | 2 878            |
| Operational risk                                  |                     | 9 391        | -             | _     | 9 391           | 751                                   | 9 254   | 9 278  | 9 127   | 9 098  | 8 929   | 8 853            |
| Total   | 280 105             | 17 865       | 46 965        | 3 700 | 68 530          | 5 482                                 | 68 375  | 69 741 | 68 835  | 68 617 | 67 071  | 66 264           |
| Capital ratio under Basel III                     |                     | 2, 555       |               | 3,00  | 55 550          | 3 402                                 | 35 3, 3 | 32,74  | 30 033  | 30 017 | 3, 0, 1 | 50 204           |
| Common Equity Tier 1 (CET1)                       |                     |              |               |       | 9.9%            |                                       | 9.8%    | 9.7%   | 9.9%    | 9.5%   | 9.5%    | 9.3%             |
| Tier 1 <sup>(5)</sup>                             |                     |              |               |       | 13.3%           |                                       | 12.9%   | 12.8%  | 12.5%   | 12.3%  | 12.4%   | 12.3%            |
| Total <sup>(5) (6)</sup>                          |                     |              |               |       |                 |                                       |         |        |         |        |         |                  |
|   |                     |              |               |       | 15.1%           |                                       | 14.8%   | 14.2%  | 14.0%   | 14.5%  | 14.6%   | 14.6%            |
| Leverage ratio under Basel III                    |                     |              |               |       | 3.7%            |                                       | 3.7%    | 3.8%   | 3.7%    | 3.6%   | 3.7%    | 3.6%             |

<sup>(1)</sup> Figures are presented in an "all-in" basis.

<sup>(2)</sup> The capital requirement is equal to 8% of risk-weighted assets.

<sup>(3)</sup> Calculated using the simple risk-weight method.

<sup>(4)</sup> Calculated based on CET1 risk-weighted assets.

<sup>(5)</sup> Ratios as at October 31, 2015 include the redemption of Series 20 preferred shares on November 15, 2015.

<sup>(6)</sup> Ratios as at October 31, 2015 include the November 2, 2015 redemption of \$500 million in notes.



# Risk-Weighted Assets Movement by Key Drivers (1)

|  |                                 |  | 2016   |         |        |         | 20     | 15              |        |
|--|---------------------------------|--|--------|---------|--------|---------|--------|-----------------|--------|
|  |                                 | Q3   |        | Q2      | Q1     | Q4      | Q3     | Q2              | Q1     |
| (unaudited) (millions of Canadian dollars)           | Non-counterparty<br>credit risk | Counterparty<br>credit risk <sup>(2)</sup> | Total  | Total   | Total  | Total   | Total  | Total           | Total  |
| (unadated) (imitions of editadian dottals)           | 0.00.00.00.00                   | 0.0  | Total  | 10141   | 10141  | Total   | 10141  | 10141           | 70141  |
| Credit risk – Risk-weighted assets at beginning      | 49 089                          | 6 061                                      | 55 150 | 56 684  | 55 743 | 56 398  | 55 594 | 54 533          | 52 782 |
| Book size  | (420)                           | 6  | (414)  | (368)   | 631    | 1 038   | 146    | 844             | 757    |
| Book quality   | (432)                           | 297  | (135)  | (41)    | (411)  | (365)   | 80     | 563             | 500    |
| Model updates  | _                               | _  |        | 8       | _      | (1 324) | (168)  | _               | (229)  |
| Methodology and policy                               | _                               | _  | _      | _       | _      | _       | _      | _               | _      |
| Acquisitions and disposals                           | 790                             | _  | 790    | _       | _      | -       | -      | _               | _      |
| Foreign exchange movements                           | 360                             | 97   | 457    | (1 133) | 721    | (4)     | 746    | (346)           | 723    |
| Credit risk – Risk-weighted assets at end            | 49 387                          | 6 461                                      | 55 848 | 55 150  | 56 684 | 55 743  | 56 398 | 55 594          | 54 533 |
|  |                                 |  |        |         |        |         |        |                 |        |
| Market risk – Risk-weighted assets at beginning      |                                 |  | 3 971  | 3 779   | 3 965  | 3 121   | 2 548  | 2 878           | 3 317  |
| Movement in risk levels <sup>(3)</sup>               |                                 |  | (680)  | 192     | (186)  | 217     | 23     | (330)           | (439)  |
| Model updates  |                                 |  | _      | _       | _      | 627     | 550    | _               | _      |
| Methodology and policy                               |                                 |  | _      | _       | _      | -       | _      | _               | _      |
| Acquisitions and disposals                           |                                 |  | _      | _       | _      | _       | _      | _               | _      |
| Market risk – Risk-weighted assets at end            |                                 |  | 3 291  | 3 971   | 3 779  | 3 965   | 3 121  | 2 548           | 2 878  |
|  |                                 |  |        |         |        |         |        |                 |        |
| Operational risk — Risk-weighted assets at beginning |                                 |  | 9 254  | 9 278   | 9 127  | 9 098   | 8 929  | 8 853           | 8 719  |
| Movement in risk levels                              |                                 |  | 137    | (24)    | 151    | 29      | 169    | 76              | 134    |
| Acquisitions and disposals                           |                                 |  | -      | _       | _      | _       | _      | _               | -      |
| Operational risk – Risk-weighted assets at end       |                                 |  | 9 391  | 9 254   | 9 278  | 9 127   | 9 098  | 8 929           | 8 853  |
| Distance state of second                             |                                 |  | (0.700 | (0.0==  | 40.744 | (0.00-  | 40.44- | <b>67.0</b> 7.1 |        |
| Risk-weighted assets at end                          |                                 |  | 68 530 | 68 375  | 69 741 | 68 835  | 68 617 | 67 071          | 66 264 |

<sup>(1)</sup> Figures are presented in an "all-in" basis.

<sup>(2)</sup> Calculated based on CET1 risk-weighted assets.

<sup>(3)</sup> Also includes foreign exchange movement that is not considered material.

## Reconciliation of Balance Sheet with Credit Risk Exposures

|  |                 |        |                | Q3 2                       | 016                                     |                                      |                          |                 |
|--|-----------------|--------|----------------|----------------------------|---|--------------------------------------|--------------------------|-----------------|
|  |                 |        | Expo           | osures subject to          | credit risk capital                     |                                      | Other exposures          |                 |
|  |                 | Drawn  |                |                            | Other exposures                         |                                      |                          |                 |
| (unaudited) (millions of Canadian dollars)                                       | Non-retail      | Retail | Securitization | Repo-style<br>transactions | Derivatives<br>financial<br>instruments | Subject to<br>market risk<br>capital | All other <sup>(1)</sup> | Balance sheet   |
| Access   |                 |        |                |                            |   |                                      |                          |                 |
| Assets   |                 |        |                |                            |   |                                      |                          |                 |
| Cash and deposits with financial institutions <sup>(2)</sup>                     | 8 116           | -      |                |                            |   | -                                    | 708                      | 8 824           |
| Convition  |                 |        |                |                            |   |                                      |                          |                 |
| Securities   | 2 071           |        | (22            |                            |   | 41.022                               |                          | 45 527          |
| At fair value through profit or loss<br>Available-for-sale                       | 3 871           | -      | 633            | _                          | _                                       | 41 023                               | 122                      |                 |
|  | 14 028<br>2 758 | -      | 6              | _                          | _                                       | _                                    | 122                      | 14 156<br>2 758 |
| Held-to-maturity   | 2 / 58          |        | 639            |                            |   | 41 023                               | 122                      | 62 441          |
|  | 20 657          | _      | 639            |                            |   | 41 023                               | 122                      | 62 441          |
| Securities purchased under reverse repurchase agreements and securities borrowed | _               | -      | -              | 14 880                     | -                                       | _                                    | -                        | 14 880          |
| Loans  |                 |        |                |                            |   |                                      |                          |                 |
| Residential mortgage <sup>(3)</sup>  | 25 033          | 22 498 | _              | _                          | _                                       | _                                    | _                        | 47 531          |
| Personal and credit card   | _               | 32 041 | 1 388          | _                          | _                                       | _                                    | _                        | 33 429          |
| Business and government  | 35 620          | 2 030  | _              | _                          | _                                       | ı                                    | _                        | 37 650          |
|  | 60 653          | 56 569 | 1 388          | -                          | -                                       | 1                                    | _                        | 118 610         |
| Customers' liability under acceptances   | 6 959           | -      | -              | -                          | -                                       | -                                    | -                        | 6 959           |
| Allowance for credit losses <sup>(4)</sup>                                       | (149)           | (31)   | -              | -                          | -                                       | -                                    | (600)                    | (780)           |
|  | 67 463          | 56 538 | 1 388          | -                          | -                                       | -                                    | (600)                    | 124 789         |
| Other  |                 |        |                |                            |   |                                      |                          |                 |
| Derivative financial instruments <sup>(2)</sup>                                  | -               | -      | -              | -                          | 10 943                                  | -                                    | -                        | 10 943          |
| Due from clients, dealers and brokers  | -               | -      | -              | -                          | -                                       | -                                    | 235                      | 235             |
| Purchase receivables   | -               | 831    | -              | -                          | -                                       | -                                    | 722                      | 1 553           |
| Investments in associates and joint ventures                                     | -               | -      | _              | _                          | -                                       | -                                    | 638                      | 638             |
| Premises and equipment   | -               | 967    | -              | -                          | -                                       | -                                    | 478                      | 1 445           |
| Goodwill   | -               | -      | -              | -                          | -                                       | _                                    | 1 404                    | 1 404           |
| Intangible assets  | -               | -      | -              | -                          | -                                       | _                                    | 1 142                    | 1 142           |
| Other assets   | _               | -      |                |                            |   | _                                    | 1 602                    | 1 602           |
|  | -               | 1 798  |                | -                          | 10 943                                  | _                                    | 6 221                    | 18 962          |
|  | 96 236          | 58 336 | 2 027          | 14 880                     | 10 943                                  | 41 023                               | 6 451                    | 229 896         |

<sup>(1)</sup> Includes deconsolidated assets related to insurance activities and all other assets that are neither subject to credit nor market risks.

<sup>(2)</sup> These exposures may also be subject to market risk.

<sup>(3)</sup> As per Basel definition, NHA MBS pooled and 5 units or more mortgages are included in the non-retail category.

<sup>(4)</sup> During the second quarter of 2016, a \$250 million (\$183 million net of income taxes) sectoral provision for credit losses was recorded for producers and service companies in the oil and gas sector.

# Standardized Credit Risk Exposure Under the Basel Asset Categories and by Risk Weight (1)

|                                |     |     |       |     |       |       |      |        |     |     |     | 2   | 016   |       |      |        |     |     |     |     |       |       |      |        |
|--------------------------------|-----|-----|-------|-----|-------|-------|------|--------|-----|-----|-----|-----|-------|-------|------|--------|-----|-----|-----|-----|-------|-------|------|--------|
| (unaudited)                    |     |     |       |     |       |       |      |        |     |     |     |     |       |       |      |        |     |     |     |     |       |       |      |        |
| (millions of Canadian dollars) |     |     |       |     | Q3    |       |      |        |     |     |     |     | Q2    |       |      |        |     |     |     |     | Q1    |       |      |        |
| Risk Weight                    | 0%  | 20% | 35%   | 50% | 75%   | 100%  | 150% | Total  | 0%  | 20% | 35% | 50% | 75%   | 100%  | 150% | Total  | 0%  | 20% | 35% | 50% | 75%   | 100%  | 150% | Total  |
| Retail                         |     |     |       |     |       |       |      |        |     |     |     |     |       |       |      |        |     |     |     |     |       |       |      |        |
| Residential mortgage           | -   | -   | 2 148 | 14  | 268   | 92    | -    | 2 522  | -   | -   | 959 | 14  | 278   | 89    | -    | 1 340  | _   | -   | 815 | 15  | 279   | 75    | -    | 1 184  |
| Other retail                   | -   | _   | _     | _   | 5 200 | _     | _    | 5 200  | _   | _   | _   | -   | 5 061 | -     | -    | 5 061  | _   | _   | _   | _   | 5 385 | -     | -    | 5 385  |
|                                | _   | -   | 2 148 | 14  | 5 468 | 92    | _    | 7 722  | -   | _   | 959 | 14  | 5 339 | 89    | -    | 6 401  | _   | -   | 815 | 15  | 5 664 | 75    | -    | 6 569  |
| Non-Retail                     |     |     |       |     |       |       |      |        |     |     |     |     |       |       |      |        |     |     |     |     |       |       |      |        |
| Corporate                      | -   | -   | -     | _   | -     | 4 911 | -    | 4 911  | -   | -   | -   | -   | -     | 4 557 | 1    | 4 558  | _   | -   | -   | -   | -     | 4 408 | 1    | 4 409  |
| Sovereign                      | 255 | -   | -     | _   | -     | 193   | -    | 448    | 358 | -   | -   | -   | -     | -     | -    | 358    | 187 | -   | -   | -   | -     | -     | -    | 187    |
| Financial Institutions         | _   | 499 | -     | _   | -     | 215   | 30   | 744    | _   | 555 | _   | _   | -     | 42    | _    | 597    | _   | 608 | _   | -   | _     | 47    | _    | 655    |
|                                | 255 | 499 | -     | -   | -     | 5 319 | 30   | 6 103  | 358 | 555 | _   | _   | -     | 4 599 | 1    | 5 513  | 187 | 608 | ı   | -   | ı     | 4 455 | 1    | 5 251  |
| Trading                        | 9   | -   | -     | _   | -     | 221   | _    | 230    | 6   | _   | _   | _   | -     | 506   | 1    | 512    | -   | -   | -   | -   | -     | 579   | _    | 579    |
| Total                          | 264 | 499 | 2 148 | 14  | 5 468 | 5 632 | 30   | 14 055 | 364 | 555 | 959 | 14  | 5 339 | 5 194 | 1    | 12 426 | 187 | 608 | 815 | 15  | 5 664 | 5 109 | 1    | 12 399 |

|   |     |     |     |     |       |       |      |        |     |     |       | 2   | 015   |       |      |        |     |     |     |     |       |       |      |       |
|---|-----|-----|-----|-----|-------|-------|------|--------|-----|-----|-------|-----|-------|-------|------|--------|-----|-----|-----|-----|-------|-------|------|-------|
| (unaudited)<br>(millions of Canadian dollars) |     |     |     |     | Q4    |       |      |        |     |     |       |     | Q3    |       |      |        |     |     |     |     | Q2    |       |      |       |
| Risk Weight                                   | 0%  | 20% | 35% | 50% | 75%   | 100%  | 150% | Total  | 0%  | 20% | 35%   | 50% | 75%   | 100%  | 150% | Total  | 0%  | 20% | 35% | 50% | 75%   | 100%  | 150% | Total |
| Retail  |     |     |     |     |       |       |      |        |     |     |       |     |       |       |      |        |     |     |     |     |       |       |      |       |
| Residential mortgage                          | -   | -   | 857 | 10  | 235   | 67    | -    | 1 169  | -   | _   | 1 209 | 10  | 247   | 67    | _    | 1 533  | -   | -   | 674 | 17  | 181   | 50    | -    | 922   |
| Other retail                                  | _   | -   | _   | _   | 5 264 | -     | _    | 5 264  | -   | _   | _     | _   | 5 083 | _     | _    | 5 083  | _   | -   | _   | _   | 3 489 | -     | _    | 3 489 |
|   | ı   | -   | 857 | 10  | 5 499 | 67    | -    | 6 433  | -   | _   | 1 209 | 10  | 5 330 | 67    | ı    | 6 616  | -   | ı   | 674 | 17  | 3 670 | 50    | -    | 4 411 |
| Non-Retail                                    |     |     |     |     |       |       |      |        |     |     |       |     |       |       |      |        |     |     |     |     |       |       |      |       |
| Corporate                                     | -   | -   | -   | -   | -     | 3 200 | 1    | 3 201  | -   | -   | -     | -   | _     | 3 904 | 2    | 3 906  | -   | -   | -   | -   | -     | 4 446 | 1    | 4 447 |
| Sovereign                                     | 248 | -   | -   | -   | -     | -     | -    | 248    | 223 | -   | -     | -   | _     | -     | -    | 223    | 229 | -   | -   | -   | -     | -     | -    | 229   |
| Financial Institutions                        | _   | 447 | _   | _   | -     | 17    | _    | 464    | -   | 553 | _     | _   | _     | 17    | _    | 570    | _   | 441 | _   | _   | _     | 16    | _    | 457   |
|   | 248 | 447 | ı   | _   | -     | 3 217 | 1    | 3 913  | 223 | 553 | ı     | ı   | -     | 3 921 | 2    | 4 699  | 229 | 441 | -   | -   | ı     | 4 462 | 1    | 5 133 |
| Trading                                       | -   | _   | -   | _   | -     | 519   | _    | 519    | -   | _   | -     | _   | -     | 621   | -    | 621    | -   | ı   | _   | ı   | -     | 374   | -    | 374   |
| Total   | 248 | 447 | 857 | 10  | 5 499 | 3 803 | 1    | 10 865 | 223 | 553 | 1 209 | 10  | 5 330 | 4 609 | 2    | 11 936 | 229 | 441 | 674 | 17  | 3 670 | 4 886 | 1    | 9 918 |

<sup>(1)</sup> Exposure amounts are the expected gross exposure upon the default of an obligor. These amounts are net of specific allowance but do not reflect the impact of credit risk mitigation and collateral held.

## Maximum Credit Risk Exposure Under the Basel Asset Categories (1)

|   |         |                        |                            |                    |                                     |          |         |                        | 20:                        | 16                 |                                     |          |         |                        |                            |                    |                                     |          |
|---|---------|------------------------|----------------------------|--------------------|-------------------------------------|----------|---------|------------------------|----------------------------|--------------------|-------------------------------------|----------|---------|------------------------|----------------------------|--------------------|-------------------------------------|----------|
|   |         |                        | Q:                         | 3                  |                                     |          |         |                        | Q                          | 2                  |                                     |          |         |                        | Q1                         |                    |                                     |          |
| (unaudited)<br>(millions of Canadian dollars) | Drawn   | Undrawn<br>commitments | Repo-style<br>transactions | OTC<br>derivatives | Other<br>off-balance<br>sheet items | Total    | Drawn   | Undrawn<br>commitments | Repo-style<br>transactions | OTC<br>derivatives | Other<br>off-balance<br>sheet items | Total    | Drawn   | Undrawn<br>commitments | Repo-style<br>transactions | OTC<br>derivatives | Other<br>off-balance<br>sheet items | Total    |
| Retail  |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |
| Residential mortgage                          | 41 590  | 5 977                  | -                          | -                  | -                                   | 47 567   | 38 577  | 5 859                  | -                          | -                  | -                                   | 44 436   | 39 234  | 5 785                  | -                          | -                  | -                                   | 45 019   |
| Qualifying revolving retail                   | 2 763   | 2 929                  | -                          | -                  | -                                   | 5 692    | 2 688   | 2 754                  | -                          | -                  | -                                   | 5 442    | 2 660   | 2 445                  | -                          | -                  | -                                   | 5 105    |
| Other retail                                  | 14 014  | 1 279                  | _                          | -                  | 13                                  | 15 306   | 13 709  | 1 253                  | -                          | _                  | 13                                  | 14 975   | 13 892  | 1 304                  | -                          | -                  | 13                                  | 15 209   |
|   | 58 367  | 10 185                 | -                          | -                  | 13                                  | 68 565   | 54 974  | 9 866                  | -                          | -                  | 13                                  | 64 853   | 55 786  | 9 534                  | -                          | -                  | 13                                  | 65 333   |
| Non-retail                                    |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |
| Corporate                                     | 41 348  | 13 376                 | 6 842                      | 11                 | 2 824                               | 64 401   | 40 855  | 13 360                 | 4 588                      | 7                  | 2 710                               | 61 520   | 40 053  | 13 283                 | 5 142                      | 6                  | 2 592                               | 61 076   |
| Sovereign                                     | 24 345  | 3 592                  | 14 956                     | 301                | 108                                 | 43 302   | 19 032  | 3 829                  | 12 175                     | 321                | 107                                 | 35 464   | 21 927  | 3 923                  | 9 779                      | 306                | 132                                 | 36 067   |
| Financial Institutions                        | 3 398   | 347                    | 58 296                     | 463                | 558                                 | 63 062   | 3 793   | 344                    | 50 981                     | 640                | 633                                 | 56 391   | 3 468   | 301                    | 52 256                     | 541                | 662                                 | 57 228   |
|   | 69 091  | 17 315                 | 80 094                     | 775                | 3 490                               | 170 765  | 63 680  | 17 533                 | 67 744                     | 968                | 3 450                               | 153 375  | 65 448  | 17 507                 | 67 177                     | 853                | 3 386                               | 154 371  |
| Trading book                                  | -       | -                      | -                          | 9 683              | -                                   | 9 683    | -       | -                      | -                          | 10 607             | -                                   | 10 607   | -       | -                      | -                          | 11 428             | -                                   | 11 428   |
| Securitization                                | 636     | -                      | -                          | -                  | 2 541                               | 3 177    | 634     | -                      | -                          | -                  | 2 444                               | 3 078    | 647     | -                      | -                          | -                  | 2 311                               | 2 958    |
| Total - Gross Credit Risk                     | 128 094 | 27 500                 | 80 094                     | 10 458             | 6 044                               | 252 190  | 119 288 | 27 399                 | 67 744                     | 11 575             | 5 907                               | 231 913  | 121 881 | 27 041                 | 67 177                     | 12 281             | 5 710                               | 234 090  |
|   | r       |                        |                            | T                  | ı                                   | -        |         | 1                      |                            | 1                  |                                     |          | T       | T                      | 1                          | T                  | T                                   |          |
| Standardized Approach                         | 10 851  | 455                    | 2 058                      | 238                | 453                                 | 14 055   | 9 295   | 407                    | 1 796                      | 518                | 410                                 | 12 426   | 9 588   | 419                    | 1 406                      | 585                | 401                                 | 12 399   |
| AIRB Approach <sup>(2)</sup>                  | 117 243 | 27 045                 | 78 036                     | 10 220             | 5 591                               | 238 135  | 109 993 | 26 992                 | 65 948                     | 11 057             | 5 497                               | 219 487  | 112 293 | 26 622                 | 65 771                     | 11 696             | 5 309                               | 221 691  |
| Total - Gross Credit Risk                     | 128 094 | 27 500                 | 80 094                     | 10 458             | 6 044                               | 252 190  | 119 288 | 27 399                 | 67 744                     | 11 575             | 5 907                               | 231 913  | 121 881 | 27 041                 | 67 177                     | 12 281             | 5 710                               | 234 090  |
| Adjustment to exposure for<br>collateral      |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |         |                        |                            |                    |                                     |          |
| Standardized Approach                         | -       | -                      | (2 000)                    | (32)               | -                                   | (2 032)  | -       | -                      | (1 764)                    | (400)              | -                                   | (2 164)  | -       | -                      | (1 379)                    | (369)              | -                                   | (1 748)  |
| AIRB Approach <sup>(2)</sup>                  | _       | _                      | (66 866)                   | -                  | -                                   | (66 866) | _       | _                      | (56 595)                   | _                  | _                                   | (56 595) | -       | -                      | (55 798)                   |                    | _                                   | (55 798) |
| Total - Net Credit Risk                       | 128 094 | 27 500                 | 11 228                     | 10 426             | 6 044                               | 183 292  | 119 288 | 27 399                 | 9 385                      | 11 175             | 5 907                               | 173 154  | 121 881 | 27 041                 | 10 000                     | 11 912             | 5 710                               | 176 544  |

|  |         |             |              |             |                      |          |         |             | 20:          | 15          |                      |          |         |             |              |             |                   |          |
|--|---------|-------------|--------------|-------------|----------------------|----------|---------|-------------|--------------|-------------|----------------------|----------|---------|-------------|--------------|-------------|-------------------|----------|
|  |         |             | Q.           | 4           |                      |          |         |             | Q:           | 3           |                      |          |         |             | Q2           | !           |                   |          |
| (unaudited)                              |         | Undrawn     | Repo-style   | отс         | Other<br>off-balance |          |         | Undrawn     | Repo-style   | отс         | Other<br>off-balance |          |         | Undrawn     | Repo-style   | отс         | Other off-balance |          |
| (millions of Canadian dollars)           | Drawn   | commitments | transactions | derivatives | sheet items          | Total    | Drawn   | commitments | transactions | derivatives | sheet items          | Total    | Drawn   | commitments | transactions | derivatives | sheet items       | Total    |
| Retail                                   |         |             |              |             |                      |          |         |             |              |             |                      |          |         |             |              |             |                   |          |
| Residential mortgage                     | 38 784  | 5 647       | -            | -           | -                    | 44 431   | 38 682  | 5 739       | -            | -           | -                    | 44 421   | 36 865  | 5 615       | -            | -           | -                 | 42 480   |
| Qualifying revolving retail              | 2 708   | 2 490       | -            | -           | -                    | 5 198    | 2 608   | 2 408       | -            | -           | _                    | 5 0 1 6  | 2 648   | 2 442       | -            | -           | -                 | 5 090    |
| Other retail                             | 13 736  | 1 302       | _            | -           | 14                   | 15 052   | 13 508  | 1 313       | _            | _           | 14                   | 14 835   | 11 826  | 1 267       | -            | _           | 13                | 13 106   |
|  | 55 228  | 9 439       | _            | -           | 14                   | 64 681   | 54 798  | 9 460       | -            | -           | 14                   | 64 272   | 51 339  | 9 324       | -            | -           | 13                | 60 676   |
| Non-retail                               |         |             |              |             |                      |          |         |             |              |             |                      |          |         |             |              |             |                   |          |
| Corporate                                | 38 859  | 13 344      | 3 604        | 6           | 2 616                | 58 429   | 37 554  | 13 050      | 3 552        | 2           | 2 659                | 56 817   | 36 426  | 13 179      | 4 546        | 4           | 2 562             | 56 717   |
| Sovereign                                | 21 026  | 3 985       | 9 833        | 616         | 124                  | 35 584   | 19 704  | 3 438       | 10 504       | 304         | 111                  | 34 061   | 18 341  | 3 479       | 8 464        | 321         | 96                | 30 701   |
| Financial Institutions                   | 2 139   | 277         | 59 420       | 505         | 692                  | 63 033   | 1 888   | 228         | 61 376       | 421         | 645                  | 64 558   | 1 861   | 277         | 61 896       | 717         | 657               | 65 408   |
|  | 62 024  | 17 606      | 72 857       | 1 127       | 3 432                | 157 046  | 59 146  | 16 716      | 75 432       | 727         | 3 415                | 155 436  | 56 628  | 16 935      | 74 906       | 1 042       | 3 315             | 152 826  |
| Trading book                             | -       | -           | -            | 10 318      | -                    | 10 318   | -       | -           | -            | 12 003      | -                    | 12 003   | -       | -           | -            | 11 394      | -                 | 11 394   |
| Securitization                           | 646     | -           | -            | -           | 2 336                | 2 982    | 610     | _           | -            | -           | 2 235                | 2 845    | 1 131   | -           | -            | -           | 2 956             | 4 087    |
| Total - Gross Credit Risk                | 117 898 | 27 045      | 72 857       | 11 445      | 5 782                | 235 027  | 114 554 | 26 176      | 75 432       | 12 730      | 5 664                | 234 556  | 109 098 | 26 259      | 74 906       | 12 436      | 6 284             | 228 983  |
|  |         |             |              |             |                      |          |         |             |              |             |                      |          |         |             |              |             |                   |          |
| Standardized Approach                    | 9 074   | 339         | 496          | 525         | 431                  | 10 865   | 9 249   | 338         | 1 291        | 622         | 436                  | 11 936   | 6 839   | 304         | 1 890        | 372         | 513               | 9 918    |
| AIRB Approach <sup>(2)</sup>             | 108 824 | 26 706      | 72 361       | 10 920      | 5 351                | 224 162  | 105 305 | 25 838      | 74 141       | 12 108      | 5 228                | 222 620  | 102 259 | 25 955      | 73 016       | 12 064      | 5 771             | 219 065  |
| Total - Gross Credit Risk                | 117 898 | 27 045      | 72 857       | 11 445      | 5 782                | 235 027  | 114 554 | 26 176      | 75 432       | 12 730      | 5 664                | 234 556  | 109 098 | 26 259      | 74 906       | 12 436      | 6 284             | 228 983  |
| Adjustment to exposure for<br>collateral |         |             |              |             |                      |          |         |             |              |             |                      |          |         |             |              |             |                   |          |
| Standardized Approach                    | -       | -           | (487)        | (282)       | -                    | (769)    | -       | _           | (1 240)      | (285)       | -                    | (1 525)  | -       | -           | (1 859)      | (165)       | -                 | (2 024)  |
| AIRB Approach <sup>(2)</sup>             | _       | _           | (63 535)     | _           | _                    | (63 535) | _       | _           | (64 634)     | _           | _                    | (64 634) | _       | _           | (64 520)     | _           | _                 | (64 520) |
| Total - Net Credit Risk                  | 117 898 | 27 045      | 8 835        | 11 163      | 5 782                | 170 723  | 114 554 | 26 176      | 9 558        | 12 445      | 5 664                | 168 397  | 109 098 | 26 259      | 8 527        | 12 271      | 6 284             | 162 439  |

<sup>(1)</sup> These amounts do not take into account allowances for credit losses nor amounts pledged as collateral. The tables also exclude equity securities.

<sup>(2)</sup> For drawn, undrawn and Other off-balance sheet exposures, eligible financial collateral is taken into account in the Bank's Loss Given Default (LGD) models.



# **Credit Quality of AIRB Exposure - Retail Portfolios**<sup>(1)</sup>

|  |                   |                 |                  |                                 |  |   | 2016                                     |  |                 |                         |   |
|--|-------------------|-----------------|------------------|---------------------------------|--|---|--|--|-----------------|-------------------------|---|
|  |                   |                 |                  | <u> </u>                        |  |   | Q3                                       |  | 1               |                         | EL adjusted                             |
| (unaudited) (millions of Canadian dollars) |                   |                 | EAD              | Notional of undrawn commitments | Exposure weighted-<br>average<br>(EAD %) | Exposure weighted-<br>average<br>(PD %) | Exposure weighted-<br>average<br>(LGD %) | Exposure weighted-<br>average risk weight<br>asset (RWA %) | RWA             | Expected<br>Losses (EL) | average risk<br>weight % <sup>(2)</sup> |
| Canadian residential mortgage and HELOCs   | Risk Grade        | PD bands        |                  | Communication                   | (213 70)                                 | (12.70)                                 | (202 70)                                 | u5566 (11171 70)   |                 | 200000 (22)             | Weight 70                               |
| Insured Drawn and                          | Exceptionally low | 0.000% - 0.144% | 1 774            | -                               | 100%                                     | 0.08%                                   | 17.7%                                    | 3.3%   | 59              | 0.2                     | 3%                                      |
| Undrawn <sup>(3)</sup>                     | Very low          | 0.145% - 0.506% | 2 304            | _                               | 100%                                     | 0.30%                                   | 10.2%                                    | 5.1%   | 118             | 0.7                     | 5%                                      |
|  | Low               | 0.507% - 1.116% | 1 094            | -                               | 100%                                     | 0.77%                                   | 5.5%                                     | 5.6%   | 61              | 0.4                     | 6%                                      |
|  | Low               | 1.117% - 2.681% | 671              | _                               | 100%                                     | 1.74%                                   | 3.5%                                     | 6.2%   | 42              | 0.4                     | 7%                                      |
|  | Medium            | 2.682% - 9.348% | 951              | -                               | 100%                                     | 5.47%                                   | 2.7%                                     | 9.2%   | 87              | 1.4                     | 11%                                     |
|  | High              | 9.349% - 99.99% | 162              | _                               | 100%                                     | 26.20%                                  | 2.6%                                     | 14.1%  | 23              | 1.1                     | 23%                                     |
|  | Default           | 100.00%         | 71               | _                               | 100%                                     | 100.00%                                 | 2.9%                                     | 23.3%  | 16              | 1.4                     | 46%                                     |
|  |                   |                 | 7 027            | -                               | 100%                                     | 2.75%                                   | 9.5%                                     | 5.8%   | 406             | 5.6                     | 7%                                      |
| Uninsured Undrawn <sup>(4)</sup>           | Exceptionally low | 0.000% - 0.144% | 4 073            | 9 447                           | 57%                                      | 0.05%                                   | 22.5%                                    | 3.1%   | 128             | 0.5                     | 3%                                      |
|  | Very low          | 0.145% - 0.506% | 1 649            | 3 704                           | 73%                                      | 0.26%                                   | 23.4%                                    | 11.4%  | 188             | 1.0                     | 12%                                     |
|  | Low               | 0.507% - 1.116% | 169              | 199                             | 88%                                      | 0.71%                                   | 23.8%                                    | 23.8%  | 40              | 0.3                     | 26%                                     |
|  | Low               | 1.117% - 2.681% | 41               | 52                              | 84%                                      | 1.63%                                   | 23.5%                                    | 40.4%  | 16              | 0.2                     | 45%                                     |
|  | Medium            | 2.682% - 9.348% | 12               | 15                              | 83%                                      | 4.21%                                   | 23.7%                                    | 70.3%  | 8               | 0.1                     | 83%                                     |
|  | High              | 9.349% - 99.99% | 1                | 1                               | 89%                                      | 18.77%                                  | 23.3%                                    | 121.4%   | 1               | _                       | 169%                                    |
|  | Default           | 100.00%         | 2                | 2                               | 84%                                      | 100.00%                                 | 22.7%                                    | 284.0%   | 7               | _                       | 284%                                    |
|  |                   |                 | 5 947            | 13 420                          | 62%                                      | 0.19%                                   | 22.8%                                    | 6.5%   | 388             | 2.1                     | 7%                                      |
| Uninsured Drawn <sup>(5)</sup>             | Exceptionally low | 0.000% - 0.144% | 15 592           |                                 |  | 0.07%                                   | 22.8%                                    | 4.1%   | 643             | 2.6                     | 4%                                      |
|  | Very low          | 0.145% - 0.506% | 12 066           |                                 |  | 0.27%                                   | 25.3%                                    | 12.5%  | 1 512           | 8.3                     | 13%                                     |
|  | Low               | 0.507% - 1.116% | 2 922            |                                 |  | 0.72%                                   | 25.4%                                    | 25.4%  | 742             | 5.4                     | 28%                                     |
|  | Low               | 1.117% - 2.681% | 820              |                                 |  | 1.69%                                   | 25.4%                                    | 44.2%  | 363             | 3.5                     | 50%                                     |
|  | Medium            | 2.682% - 9.348% | 365              |                                 |  | 4.58%                                   | 24.9%                                    | 76.6%  | 280             | 4.2                     | 91%                                     |
|  | High              | 9.349% - 99.99% | 248              |                                 |  | 26.16%                                  | 27.5%                                    | 152.7%   | 378             | 18.1                    | 245%                                    |
|  | Default           | 100.00%         | 58               |                                 |  | 100.00%                                 | 26.9%                                    | 193.6%   | 112             | 10.5                    | 420%                                    |
|  |                   |                 | 32 071           |                                 |  | 0.68%                                   | 24.1%                                    | 12.6%  | 4 030           | 52.6                    | 15%                                     |
| Qualifying revolving                       | Exceptionally low | 0.000% - 0.144% | 2 814            | 4 907                           | 58%                                      | 0.05%                                   | 71.3%                                    | 2.3%   | 66              | 1.0                     | 3%                                      |
| credit                                     | Very low          | 0.145% - 0.506% | 971              | 677                             | 82%                                      | 0.29%                                   | 71.5%                                    | 10.3%  | 100             | 2.0                     | 13%                                     |
|  | Low               | 0.507% - 1.116% | 623              | 258                             | 91%                                      | 0.78%                                   | 72.4%                                    | 22.8%  | 142             | 3.5                     | 30%                                     |
|  | Low               | 1.117% - 2.681% | 822              | 376                             | 99%                                      | 1.77%                                   | 82.9%                                    | 48.6%  | 398             | 12.1                    | 67%                                     |
|  | Medium            | 2.682% - 9.348% | 368              | 50                              | 101%                                     | 4.50%                                   | 78.7%                                    | 87.3%  | 322             | 12.9                    | 131%                                    |
|  | High              | 9.349% - 99.99% | 73               | 4                               | 102%                                     | 21.06%                                  | 74.2%                                    | 186.0%   | 136             | 12.1                    | 392%                                    |
|  | Default           | 100.00%         | 21               | -                               | 105%                                     | 100.00%                                 | 59.1%                                    | 299.5%   | 63              | 9.8                     | 885%                                    |
|  |                   |                 | 5 692            | 6 272                           | 75%                                      | 1.34%                                   | 73.6%                                    | 21.6%  | 1 227           | 53.4                    | 33%                                     |
| Other retail <sup>(6)</sup>                | Exceptionally low | 0.000% - 0.144% | 2 277            | 1 465                           | 84%                                      | 0.07%                                   | 40.9%                                    | 7.1%   | 162             | 0.6                     | 7%                                      |
|  | Very low          | 0.145% - 0.506% | 2 770            | 386                             | 97%                                      | 0.30%                                   | 51.7%                                    | 27.1%  | 751             | 4.4                     | 29%                                     |
|  | Low               | 0.507% - 1.116% | 2 327            | 297                             | 98%                                      | 0.78%                                   | 60.7%                                    | 54.9%  | 1 279           | 11.1                    | 61%                                     |
|  | Low               | 1.117% - 2.681% | 1 644            | 119                             | 98%                                      | 1.73%                                   | 64.7%                                    | 79.5%  | 1 305           | 18.5                    | 94%                                     |
|  | Medium            | 2.682% - 9.348% | 777              | 61                              | 98%                                      | 4.47%                                   | 63.8%                                    | 92.7%  | 721             | 22.0                    | 128%                                    |
|  | High              | 9.349% - 99.99% | 200              | 8                               | 98%                                      | 21.31%                                  | 62.5%                                    | 136.6%   | 273             | 28.1                    | 312%                                    |
|  | Default           | 100.00%         | 111              | 5                               | 98%                                      | 100.00%                                 | 56.1%                                    | 376.4%   | 417             | 33.5                    | 757%                                    |
|  |                   |                 | 10 106<br>60 843 | 2 341<br>22 033                 | 95%<br>87%                               | 2.42%<br>1.22%                          | 54.7%<br>32.0%                           | 48.6%<br>18.0%   | 4 908<br>10 959 | 118.2<br>231.9          | 63%<br>23%                              |
|  |                   |                 | 00 043           | 22 033                          | 6/76                                     | 1.22%                                   | 52.0%                                    | 16.0%  | 10 339          | 251.9                   | 2376                                    |

<sup>(1)</sup> Represents retail exposures under the AIRB approach. Amounts are before allowance for credit losses and after credit risk mitigation.

<sup>(2)</sup> EL adjusted average risk weight is calculated as (RWA + 12.5 x EL) / EAD.

<sup>(3)</sup> Includes insured drawn and undrawn retail mortgages and home equity lines of credit.

<sup>(4)</sup> Includes only uninsured undrawn retail mortgages and home equity lines of credit.

<sup>(5)</sup> Includes only uninsured drawn retail mortgages and home equity lines of credit.

<sup>(6)</sup> Includes all other drawn and undrawn retail exposures.



# **Credit Quality of AIRB Exposure - Retail Portfolios**<sup>(1)</sup>

|  |                   |                 |                 |                     |                               |                    | 2016                     |   |                     |                      |                         |
|--|-------------------|-----------------|-----------------|---------------------|-------------------------------|--------------------|--------------------------|---|---------------------|----------------------|-------------------------|
|  |                   |                 |                 |                     | Exposure weighted-            | Exposure weighted- | Q2<br>Exposure weighted- | Fun a sure weighted                       |                     |                      | EL adjusted             |
|  |                   |                 |                 | Notional of undrawn | exposure weighted-<br>average | average            |                          | Exposure weighted-<br>average risk weight |                     | Expected             | average risk            |
| (unaudited) (millions of Canadian dollars) |                   |                 | EAD             | commitments         | (EAD %)                       | (PD %)             | (LGD %)                  | asset (RWA %)                             | RWA                 | Losses (EL)          | weight % <sup>(2)</sup> |
| Canadian residential mortgage and HELOCs   | Risk Grade        | PD bands        |                 |                     |                               |                    |                          |   |                     |                      |                         |
| Insured Drawn and                          | Exceptionally low | 0.000% - 0.144% | 1 690           | -                   | 100%                          | 0.07%              | 17.8%                    | 3.2%                                      | 54                  | 0.2                  | 3%                      |
| Undrawn <sup>(3)</sup>                     | Very low          | 0.145% - 0.506% | 1 831           | -                   | 100%                          | 0.29%              | 10.2%                    | 5.0%                                      | 91                  | 0.5                  | 5%                      |
|  | Low               | 0.507% - 1.116% | 751             | -                   | 100%                          | 0.77%              | 5.0%                     | 5.1%                                      | 39                  | 0.3                  | 6%                      |
|  | Low               | 1.117% - 2.681% | 443             | -                   | 100%                          | 1.72%              | 3.3%                     | 5.8%                                      | 26                  | 0.2                  | 6%                      |
|  | Medium            | 2.682% - 9.348% | 564             | -                   | 100%                          | 5.28%              | 2.7%                     | 8.9%                                      | 50                  | 0.8                  | 11%                     |
|  | High              | 9.349% - 99.99% | 149             | -                   | 100%                          | 27.72%             | 2.6%                     | 13.9%                                     | 21                  | 1.1                  | 23%                     |
|  | Default           | 100.00%         | 77              | _                   | 100%                          | 100.00%            | 2.7%                     | 23.1%                                     | 18                  | 1.1                  | 40%                     |
|  |                   |                 | 5 505           | _                   | 100%                          | 3.05%              | 10.2%                    | 5.4%                                      | 299                 | 4.2                  | 6%                      |
| Uninsured Undrawn <sup>(4)</sup>           | Exceptionally low | 0.000% - 0.144% | 3 961           | 9 256               | 56%                           | 0.05%              | 22.6%                    | 3.1%                                      | 124                 | 0.5                  | 3%                      |
| Jimisuleu Jiiulawii                        | Very low          | 0.145% - 0.506% | 1 643           | 3 688               | 72%                           | 0.26%              | 23.4%                    | 11.3%                                     | 186                 | 1.0                  | 12%                     |
|  | Low               | 0.507% - 1.116% | 172             | 211                 | 87%                           | 0.71%              | 23.8%                    | 23.7%                                     | 41                  | 0.3                  | 26%                     |
|  | Low               | 1.117% - 2.681% | 37              | 50                  | 83%                           | 1.63%              | 23.6%                    | 40.5%                                     | 15                  | 0.1                  | 45%                     |
|  | Medium            | 2.682% - 9.348% | 12              | 15                  | 82%                           | 4.38%              | 24.3%                    | 73.4%                                     | 9                   | 0.1                  | 87%                     |
|  | High              | 9.349% - 99.99% | 2               | 2                   | 82%                           | 16.61%             | 24.1%                    | 126.1%                                    | 2                   | 0.1                  | 178%                    |
|  | Default           | 100.00%         | 3               | 2                   | 81%                           | 100.00%            | 22.9%                    | 286.6%                                    | 7                   | _                    | 287%                    |
|  |                   |                 | 5 830           | 13 224              | 62%                           | 0.20%              | 22.8%                    | 6.6%                                      | 384                 | 2.1                  | 7%                      |
|  |                   |                 |                 |                     |                               |                    |                          |   |                     |                      |                         |
| Uninsured Drawn <sup>(5)</sup>             | Exceptionally low | 0.000% - 0.144% | 15 211          |                     |                               | 0.07%              | 23.0%                    | 4.2%                                      | 633                 | 2.5                  | 4%                      |
|  | Very low          | 0.145% - 0.506% | 11 786          |                     |                               | 0.27%              | 25.3%                    | 12.6%                                     | 1 486               | 8.1                  | 13%                     |
|  | Low               | 0.507% - 1.116% | 3 029           |                     |                               | 0.72%              | 25.5%                    | 25.4%                                     | 769                 | 5.5                  | 28%                     |
|  | Low               | 1.117% - 2.681% | 1 055           |                     |                               | 1.60%              | 26.1%                    | 44.0%                                     | 464                 | 4.4                  | 49%                     |
|  | Medium            | 2.682% - 9.348% | 426             |                     |                               | 4.76%              | 26.1%                    | 82.2%                                     | 350                 | 5.3                  | 98%                     |
|  | High              | 9.349% - 99.99% | 190             |                     |                               | 26.57%             | 27.8%                    | 148.0%                                    | 281                 | 14.4                 | 242%                    |
|  | Default           | 100.00%         | 64              |                     |                               | 100.00%            | 27.5%                    | 227.8%                                    | 145                 | 8.9                  | 403%                    |
|  |                   |                 | 31 761          |                     |                               | 0.68%              | 24.3%                    | 13.0%                                     | 4 128               | 49.1                 | 15%                     |
| Qualifying revolving                       | Exceptionally low | 0.000% - 0.144% | 2 732           | 4 786               | 58%                           | 0.05%              | 70.9%                    | 2.3%                                      | 63                  | 1.0                  | 3%                      |
| credit                                     | Very low          | 0.145% - 0.506% | 928             | 635                 | 82%                           | 0.29%              | 70.3%                    | 10.1%                                     | 94                  | 1.9                  | 13%                     |
| credit                                     | Low               | 0.507% - 1.116% | 592             | 232                 | 90%                           | 0.78%              | 71.5%                    | 22.6%                                     | 134                 | 3.3                  | 30%                     |
|  | Low               | 1.117% - 2.681% | 735             | 333                 | 98%                           | 1.77%              | 81.5%                    | 47.8%                                     | 351                 | 10.6                 | 66%                     |
|  | Medium            | 2.682% - 9.348% | 362             | 45                  | 101%                          | 4.51%              | 77.9%                    | 86.5%                                     | 313                 | 12.6                 | 130%                    |
|  | High              | 9.349% - 99.99% | 72              | 4                   | 102%                          | 21.71%             | 73.9%                    | 186.6%                                    | 134                 | 12.3                 | 400%                    |
|  | Default           | 100.00%         | 21              | _                   | 105%                          | 100.00%            | 59.8%                    | 294.7%                                    | 63                  | 10.2                 | 889%                    |
|  |                   |                 | 5 442           | 6 035               | 74%                           | 1.38%              | 72.7%                    | 21.2%                                     | 1 152               | 51.9                 | 33%                     |
|  |                   |                 |                 |                     |                               |                    |                          |   |                     |                      |                         |
| Other retail <sup>(6)</sup>                | Exceptionally low | 0.000% - 0.144% | 2 226           | 1 412               | 84%                           | 0.07%              | 39.7%                    | 6.8%                                      | 152                 | 0.6                  | 7%                      |
|  | Very low          | 0.145% - 0.506% | 2 585           | 389                 | 97%                           | 0.30%              | 50.3%                    | 26.3%                                     | 680                 | 3.9                  | 28%                     |
|  | Low               | 0.507% - 1.116% | 2 131           | 283                 | 97%                           | 0.78%              | 59.4%                    | 53.8%                                     | 1 147               | 10.0                 | 60%                     |
|  | Low               | 1.117% - 2.681% | 1 552           | 123                 | 98%                           | 1.72%              | 64.0%                    | 78.7%                                     | 1 222               | 17.3                 | 93%                     |
|  | Medium            | 2.682% - 9.348% | 1 136           | 61                  | 99%                           | 4.05%              | 67.4%                    | 96.8%                                     | 1 100               | 30.6                 | 130%                    |
|  | High              | 9.349% - 99.99% | 186             | 7                   | 100%                          | 20.46%             | 63.1%                    | 135.6%                                    | 252                 | 25.1                 | 304%                    |
|  | Default           | 100.00%         | 98              | 2 279               | 99%<br><b>95%</b>             | 100.00%            | 60.7%<br><b>54.3%</b>    | 382.7%<br><b>49.7%</b>                    | 376<br><b>4 929</b> | 34.2<br><b>121.7</b> | 818%<br><b>65%</b>      |
|  |                   |                 | 9 914<br>58 452 | 21 538              | 95%<br>87%                    | 2.37%<br>1.21%     | 54.3%<br>32.4%           | 49.7%<br>18.6%                            | 10 892              | 229.0                | 24%                     |
|  |                   |                 | oo 452          | 21 538              | 8/%                           | 1.21%              | 32.4%                    | 18.6%                                     | 10 892              | 229.0                | 24%                     |

<sup>(1)</sup> Represents retail exposures under the AIRB approach. Amounts are before allowance for credit losses and after credit risk mitigation.

<sup>(2)</sup> EL adjusted average risk weight is calculated as (RWA + 12.5 x EL) / EAD.

<sup>(3)</sup> Includes insured drawn and undrawn retail mortgages and home equity lines of credit.

<sup>(4)</sup> Includes only uninsured undrawn retail mortgages and home equity lines of credit.

<sup>(5)</sup> Includes only uninsured drawn retail mortgages and home equity lines of credit.

<sup>(6)</sup> Includes all other drawn and undrawn retail exposures.

|                          |                   |                       |       |         |       | Q3 2       | 016        |             |          |                 |                   |         |       | Q2 2       | 016        |             |       |           |
|--------------------------|-------------------|-----------------------|-------|---------|-------|------------|------------|-------------|----------|-----------------|-------------------|---------|-------|------------|------------|-------------|-------|-----------|
| (unaudited) (millions of | Canadian dollars) |                       |       |         |       |            |            |             | Corporat | te AIRB exposui | es by internal PD | grade   |       |            |            |             |       |           |
|                          | PD Range          |                       | -     |         |       | EAD Amount | Average PD | Average LGD |          | Percentage      | T                 |         |       | EAD Amount | Average PD | Average LGD |       | Percentag |
| Internal Ratings grades  |                   | S&P rating equivalent | Drawn | Undrawn | Other | Total      | (%)        | (%)         | RWA      | RWA (%)         | Drawn             | Undrawn | Other | Total      | (%)        | (%)         | RWA   | RWA (9    |
| 1                        | 0.000 - 0.035     | AAA AA-               | 46    | 18      | 4     | 68         | 0.03%      | 30.1%       | 3        | 4%              | 31                | 14      | -     | 45         | 0.03%      | 27.1%       | 2     | 49        |
| 1.5                      | 0.035 - 0.044     | A+                    | 45    | 15      | 141   | 201        | 0.04%      | 44.3%       | 12       | 6%              | 42                | 11      | 75    | 128        | 0.04%      | 39.7%       | 7     | 59        |
| 2                        | 0.044 - 0.063     | A                     | 150   | 317     | 443   | 910        | 0.05%      | 53.8%       | 178      | 20%             | 274               | 350     | 424   | 1 048      | 0.05%      | 48.1%       | 188   | 186       |
| 2.5                      | 0.063 - 0.103     | A-                    | 1 635 | 999     | 50    | 2 684      | 0.08%      | 52.4%       | 594      | 22%             | 1 800             | 1 171   | 59    | 3 030      | 0.08%      | 47.3%       | 637   | 219       |
| 3                        | 0.103 - 0.170     | BBB+                  | 4 288 | 3 014   | 261   | 7 563      | 0.13%      | 42.1%       | 2 223    | 29%             | 4 268             | 2 889   | 154   | 7 311      | 0.13%      | 41.6%       | 2 114 | 299       |
| 3.5                      | 0.170 -0.280      | BBB                   | 5 679 | 2 790   | 775   | 9 244      | 0.22%      | 37.7%       | 2 871    | 31%             | 5 400             | 2 641   | 790   | 8 831      | 0.22%      | 38.1%       | 2 912 | 339       |
| 4                        | 0.280 - 0.462     | BBB-                  | 7 226 | 2 120   | 371   | 9 717      | 0.36%      | 33.3%       | 3 411    | 35%             | 6 633             | 2 256   | 386   | 9 275      | 0.36%      | 35.0%       | 3 618 | 399       |
| 4.5                      | 0.462 - 0.762     | BB+                   | 5 486 | 1 241   | 173   | 6 900      | 0.59%      | 35.9%       | 3 024    | 44%             | 5 727             | 1 184   | 190   | 7 101      | 0.59%      | 36.3%       | 3 279 | 469       |
| 5                        | 0.762 - 1.256     | BB                    | 6 722 | 1 299   | 285   | 8 306      | 0.98%      | 34.3%       | 4 327    | 52%             | 6 695             | 1 481   | 306   | 8 482      | 0.98%      | 35.3%       | 4 930 | 58'       |
| 5.5                      | 1.256 - 2.070     | BB-                   | 3 015 | 610     | 67    | 3 692      | 1.61%      | 34.8%       | 2 375    | 64%             | 2 770             | 507     | 119   | 3 396      | 1.61%      | 33.2%       | 2 114 | 629       |
| 6                        | 2.070 - 3.412     | B+                    | 2 023 | 316     | 84    | 2 423      | 2.66%      | 34.0%       | 1 757    | 73%             | 2 086             | 324     | 88    | 2 498      | 2.66%      | 33.9%       | 1 850 | 749       |
| 6.5                      | 3.412 - 5.625     | В                     | 1 142 | 235     | 204   | 1 581      | 4.38%      | 31.2%       | 1 267    | 80%             | 1 029             | 191     | 141   | 1 361      | 4.38%      | 33.7%       | 1 153 | 859       |
| 7                        | 5.625 - 9.272     | B-                    | 778   | 78      | 11    | 867        | 7.22%      | 30.1%       | 745      | 86%             | 896               | 93      | 27    | 1 016      | 7.22%      | 35.0%       | 1 068 | 1059      |
| 7.5                      | 9.272 - 15.284    | CCC+                  | 224   | 36      | 14    | 274        | 11.90%     | 26.3%       | 269      | 98%             | 218               | 26      | 2     | 246        | 11.90%     | 28.4%       | 263   | 1079      |
| 8                        | 15.284 - 25.195   | ccc                   | 151   | 2       | -     | 153        | 19.62%     | 15.1%       | 99       | 65%             | 147               | 1       | -     | 148        | 19.62%     | 12.0%       | 74    | 509       |
| 8.5                      | 25.195 - 100      | CCC-                  | 63    | 2       | 5     | 70         | 32.35%     | 11.7%       | 37       | 53%             | 60                | 1       | 5     | 66         | 32.35%     | 11.7%       | 36    | 559       |
| 9                        | 100               | CC                    | 292   | 20      | 5     | 317        | 100.00%    | 35.9%       | 613      | 193%            | 348               | 1       | 1     | 350        | 100.00%    | 40.0%       | 855   | 2449      |
| 9.5                      | 100               | c                     | -     | -       | -     | -          | -          | _           | -        | _               | -                 | -       | -     | -          | -          | _           | _     | -         |
| 10                       | 400               |                       |       |         |       |            |            |             |          |                 |                   |         |       |            |            |             | ı     | 1         |

37.0%

23 805

38 424

13 141

2 767

43%

54 332

1.56%

37.3%

25 100

46%

1.45%

|                         |                 |                       |        |         |       | Q3 2       | 016        |             |        |                 |                   |         |       | Q2 20      | 16         |             |     |            |
|-------------------------|-----------------|-----------------------|--------|---------|-------|------------|------------|-------------|--------|-----------------|-------------------|---------|-------|------------|------------|-------------|-----|------------|
|                         |                 |                       |        |         |       |            |            |             | Sovere | gn AIRB exposur | es by internal PD | grade   |       |            |            |             |     |            |
|                         | PD Range        |                       |        |         |       | EAD Amount | Average PD | Average LGD |        | Percentage      |                   |         |       | EAD Amount | Average PD | Average LGD |     | Percentage |
| Internal Ratings grades | 0.000%          | S&P rating equivalent | Drawn  | Undrawn | Other | Total      | (%)        | (%)         | RWA    | RWA (%)         | Drawn             | Undrawn | Other | Total      | (%)        | (%)         | RWA | RWA (%)    |
| 1                       | 0.000 - 0.010   | AAA AA-               | 17 679 | 78      | 331   | 18 088     | 0.01%      | 7.7%        | 212    | 1%              | 12 220            | 80      | 353   | 12 653     | 0.01%      | 5.0%        | 123 | 1%         |
| 1.5                     | 0.010 - 0.019   | A+                    | 4 483  | 2 530   | 663   | 7 676      | 0.01%      | 12.7%       | 225    | 3%              | 4 733             | 2 771   | 528   | 8 032      | 0.01%      | 12.8%       | 233 | 3%         |
| 2                       | 0.019 - 0.033   | Α                     | 1 509  | 957     | 503   | 2 969      | 0.03%      | 18.5%       | 132    | 4%              | 1 495             | 955     | 507   | 2 957      | 0.03%      | 18.4%       | 136 | 5%         |
| 2.5                     | 0.033 - 0.060   | A-                    | 9      | 1       | -     | 10         | 0.05%      | 16.3%       | _      | -               | 7                 | 1       | -     | 8          | 0.05%      | 14.6%       | -   | - '        |
| 3                       | 0.060 - 0.107   | BBB+                  | -      | -       | -     | -          | -          | -           | -      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 3.5                     | 0.107 - 0.191   | BBB                   | -      | -       | -     | -          | -          | -           | _      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 4                       | 0.191 - 0.342   | BBB-                  | 10     | -       | -     | 10         | 0.26%      | 21.0%       | 2      | 20%             | 19                | -       | -     | 19         | 0.26%      | 14.5%       | 2   | 11%        |
| 4.5                     | 0.342 - 0.612   | BB+                   | -      | -       | -     | _          | _          | -           | _      | _               | -                 | -       | -     | -          | _          | -           | _   | - '        |
| 5                       | 0.612 - 1.095   | BB                    | 6      | -       | -     | 6          | -          | -           | 2      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 5.5                     | 1.095 - 1.960   | BB-                   | -      | -       | -     | -          | -          | -           | -      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 6                       | 1.960 - 3.507   | B+                    | -      | -       | -     | -          | -          | -           | _      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 6.5                     | 3.507 - 6.276   | В                     | 200    | 26      | 12    | 238        | 4.69%      | 14.1%       | 101    | 42%             | 200               | 22      | 10    | 232        | 4.69%      | 14.4%       | 103 | 44%        |
| 7                       | 6.276 - 11.231  | B-                    | -      | -       | -     | _          | _          | -           | _      | _               | -                 | -       | -     | -          | _          | -           | _   | - '        |
| 7.5                     | 11.231 - 20.099 | CCC+                  | -      | -       | -     | -          | -          | -           | -      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 8                       | 20.099 - 35.967 | CCC                   | -      | -       | -     | _          | _          | -           | _      | _               | -                 | -       | -     | -          | _          | -           | _   | - '        |
| 8.5                     | 35.967 - 100    | CCC-                  | -      | -       | -     | -          | -          | -           | -      | -               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 9                       | 100             | CC                    | -      | -       | -     | _          | _          | -           | _      | _               | -                 | -       | -     | -          | _          | -           | _   | - '        |
| 9.5                     | 100             | C                     | -      | -       | -     | _          | -          | -           | _      | _               | -                 | -       | -     | -          | -          | -           | -   | - '        |
| 10                      | 100             | D                     | -      | _       | -     | _          | _          | -           | _      | _               | _                 | -       | _     | _          | _          | _           | _   |            |
| Total                   | •               |                       | 23 806 | 3 502   | 1 500 | 28 007     | 0.04%      | 10 2%       | 674    | 294             | 18 674            | 3 820   | 1 308 | 23 001     | 0.04%      | 0.4%        | 507 | 294        |

|                         |                 |                       |       |         |        | Q3 2       | 016        |             |                 |                 |                   |             |       | Q2 2       | 016        |             |       |            |
|-------------------------|-----------------|-----------------------|-------|---------|--------|------------|------------|-------------|-----------------|-----------------|-------------------|-------------|-------|------------|------------|-------------|-------|------------|
|                         |                 |                       |       |         |        |            |            |             | Financial Insti | tutions AIRB ex | posures by intern | al PD grade |       |            |            |             |       |            |
|                         | PD Range        |                       |       |         |        | EAD Amount | Average PD | Average LGD | RWA             | Percentage      |                   |             |       | EAD Amount | Average PD | Average LGD | RWA   | Percentage |
| Internal Ratings grades | 0.000%          | S&P rating equivalent | Drawn | Undrawn | Other  | Total      | (%)        | (%)         | KWA             | RWA (%)         | Drawn             | Undrawn     | Other | Total      | (%)        | (%)         | KWA   | RWA (%)    |
| 1                       | 0.000 - 0.035   | AAA AA-               | 214   | -       | 185    | 399        | 0.03%      | 22.9%       | 41              | 10%             | 401               | -           | 2 605 | 3 006      | 0.03%      | 60.4%       | 232   | 8%         |
| 1.5                     | 0.035 - 0.044   | A+                    | 483   | -       | 2 853  | 3 336      | 0.04%      | 48.2%       | 283             | 8%              | 541               | -           | 492   | 1 033      | 0.04%      | 46.2%       | 180   | 17%        |
| 2                       | 0.044 - 0.063   | A                     | 208   | 30      | 3 065  | 3 303      | 0.05%      | 35.7%       | 221             | 7%              | 148               | 30          | 2 455 | 2 633      | 0.05%      | 35.6%       | 176   | 7%         |
| 2.5                     | 0.063 - 0.103   | A-                    | 89    | -       | 2 004  | 2 093      | 0.08%      | 34.5%       | 226             | 11%             | 474               | -           | 1 459 | 1 933      | 0.08%      | 23.0%       | 189   | 10%        |
| 3                       | 0.103 - 0.170   | BBB+                  | 18    | -       | 210    | 228        | 0.13%      | 43.1%       | 62              | 27%             | 145               | -           | 366   | 511        | 0.13%      | 42.1%       | 124   | 24%        |
| 3.5                     | 0.170 -0.280    | BBB                   | 1 367 | 50      | 872    | 2 289      | 0.22%      | 31.1%       | 586             | 26%             | 1 335             | 48          | 746   | 2 129      | 0.22%      | 29.6%       | 536   | 25%        |
| 4                       | 0.280 - 0.462   | BBB-                  | 139   | 100     | 1 046  | 1 285      | 0.36%      | 42.3%       | 505             | 39%             | 181               | 100         | 940   | 1 221      | 0.36%      | 37.3%       | 443   | 36%        |
| 4.5                     | 0.462 - 0.762   | BB+                   | 289   | -       | 76     | 365        | 0.59%      | 48.0%       | 236             | 65%             | 288               | 5           | 91    | 384        | 0.59%      | 50.0%       | 281   | 73%        |
| 5                       | 0.762 - 1.256   | BB                    | 233   | 6       | 242    | 481        | 0.98%      | 51.9%       | 454             | 94%             | 98                | 2           | 27    | 127        | 0.98%      | 41.0%       | 90    | 71%        |
| 5.5                     | 1.256 - 2.070   | BB-                   | -     | -       | 6      | 6          | 1.61%      | 48.5%       | 5               | 83%             | -                 | -           | 5     | 5          | 1.61%      | 45.1%       | 5     | 100%       |
| 6                       | 2.070 - 3.412   | B+                    | -     | -       | 6      | 6          | 2.66%      | 37.8%       | 5               | 83%             | -                 | -           | 4     | 4          | 2.66%      | 36.2%       | 3     | 75%        |
| 6.5                     | 3.412 - 5.625   | В                     | 31    | -       | 8      | 39         | 4.38%      | 53.2%       | 70              | 179%            | 48                | -           | -     | 48         | 4.38%      | 58.2%       | 107   | 223%       |
| 7                       | 5.625 - 9.272   | B-                    | -     | -       | -      | -          | -          | -           | -               | -               | -                 | -           | -     | -          | _          | -           | -     | -          |
| 7.5                     | 9.272 - 15.284  | CCC+                  | -     | -       | -      | -          | -          | -           | -               | _               | -                 | -           | -     | -          | -          | -           | -     | _          |
| 8                       | 15.284 - 25.195 | CCC                   | -     | -       | -      | -          | -          | -           | -               | -               | -                 | -           | -     | -          | -          | -           | -     | -          |
| 8.5                     | 25.195 - 100    | CCC-                  | -     | -       | -      | -          | -          | -           | -               | -               | -                 | -           | -     | -          | -          | -           | -     | _          |
| 9                       | 100             | CC                    | -     | -       | -      | -          |            | -           | -               | -               | -                 | -           |       | -          | -          | -           | -     | -          |
| 9.5                     | 100             | C                     | -     | -       | -      | -          | -          | -           | -               | -               | -                 | -           | -     | -          | -          | -           | -     | -          |
| 10                      | 100             | D                     | -     | -       | -      | -          | -          | -           | -               | -               | -                 | -           | -     | -          |            | _           | -     |            |
| Total                   |                 |                       | 3 071 | 186     | 10 573 | 13 830     | 0.23%      | 39.1%       | 2 694           | 19%             | 3 659             | 185         | 9 190 | 13 034     | 0.13%      | 40.3%       | 2 366 | 18%        |

|   | Q3:              | 2016                       |
|---|------------------|----------------------------|
|   | Notional undrawn | EAD on undrawn             |
| Credit commitments - AIRB Non-retail portfolios | commitments      | commitments <sup>(2)</sup> |
| Corporate                                       | 34 019           | 13 112                     |
| Sovereign                                       | 8 792            | 3 592                      |
| Financial Institutions                          | 373              | 186                        |
| Total   | 43 184           | 16 890                     |

38 965

13 112

2 893

54 970

100

| Q2 201                       | 16   |
|------------------------------|--|
| Notional undrawn commitments | EAD on undrawn<br>commitments <sup>(2)</sup> |
| 34 105                       | 13 141                                       |
| 9 393                        | 3 829  |
| 370                          | 185  |
| 43 868                       | 17 155                                       |

<sup>(1)</sup> The data presented above take into account permissible netting and exclude SME-Retail Portfolio, trading related portfolio and Equity.
(2) EAD undrawn commitments are the undrawn commitments (notional amount) that is currently undrawn but expected to be drawn in the event of a default.

|                        |                                   |                     |                |                 |              |                           |                  | AIR            | RB Cred        | it Risk      | Expos          | ure: N          | on-reta          | il Portf                 | olios <sup>(1)</sup>           | (conti         | nued)          |              |                |                 |              |                         |                  |                |                |              |
|------------------------|-----------------------------------|---------------------|----------------|-----------------|--------------|---------------------------|------------------|----------------|----------------|--------------|----------------|-----------------|------------------|--------------------------|--------------------------------|----------------|----------------|--------------|----------------|-----------------|--------------|-------------------------|------------------|----------------|----------------|--------------|
|                        |                                   |                     |                |                 |              | Q1 2                      | 016              |                |                |              |                |                 |                  | Q4 20                    |                                |                |                |              |                |                 |              | Q3 20                   | 15               |                |                |              |
| (unaudited) (n         | PD Range                          | dollars) S&P rating |                |                 |              | EAD Amount                | Average PD Av    | verage I GD    |                | Percentage   |                |                 | Corporate        | AIRB exposure            | S by Internal PI<br>Average PD |                |                | Percentage   |                |                 | E            | AD Amount               | Average PD       | Average I GD   |                | Percentage   |
| Ratings grad           | es 0.000%                         | equivalent          | Drawn          | Undrawn         | Other        | Total                     | (%)              | (%)            | RWA            | RWA (%)      | Drawn          | Undrawn         | Other            | Total                    | (%)                            | (%)            | RWA            | RWA (%)      | Drawn          | Undrawn         | Other        | Total                   | (%)              | (%)            | RWA            | RWA (%)      |
| 1                      | 0.000 - 0.035                     | AAA AA-             | 27             | 5               | -            | 32                        | 0.03%            | 20.5%          | 1              | 3%           | 26             | 2               | _                | 28                       | 0.03%                          | 17.6%          | 1              | 4%           | 21             | 2               | -            | 23                      | 0.03%            | 19.0%          | 1              | 4%           |
| 2                      | 0.035 - 0.044                     | A+<br>A             | 32<br>361      | 7<br>508        | 50<br>325    | 89<br>1 194               | 0.04%            | 40.4%<br>48.1% | 222            | 6%<br>19%    | 35<br>307      | 5<br>474        | 10<br>313        | 50<br>1 094              | 0.04%                          | 26.0%<br>48.9% | 209            | 6%<br>19%    | 37<br>183      | 372             | 514          | 49<br>1 069             | 0.04%            | 19.3%<br>50.6% | 190            | 6%<br>18%    |
| 2.5                    | 0.063 - 0.103                     | A-                  | 1 997          | 1 175           | 60           | 3 232                     | 0.08%            | 46.3%          | 659            | 20%          | 1 874          | 1 198           | 61               | 3 133                    | 0.08%                          | 45.3%          | 621            | 20%          | 1 797          | 1 156           | 61           | 3 014                   | 0.08%            | 46.2%          | 591            | 20%          |
| 3                      | 0.103 - 0.170                     | BBB+                | 4 399          | 2 574           | 152          | 7 125                     | 0.13%            | 40.4%          | 2 002          | 28%          | 4 418          | 2 814           | 151              | 7 383                    | 0.13%                          | 38.8%          | 1 994          | 27%          | 3 886          | 2 763           | 124          | 6 773                   | 0.13%            | 38.4%          | 1 778          | 26%          |
| 4                      | 0.170 -0.280<br>0.280 - 0.462     | BBB<br>BBB-         | 5 199<br>5 961 | 2 727<br>2 031  | 798<br>357   | 8 724<br>8 349            | 0.22%            | 37.2%<br>37.5% | 2 821<br>3 511 | 32%<br>42%   | 5 448<br>5 809 | 2 759<br>2 344  | 755<br>374       | 8 962<br>8 527           | 0.22%                          | 37.9%<br>37.8% | 2 955<br>3 589 | 33%<br>42%   | 4 899<br>5 674 | 2 854<br>1 859  | 668<br>276   | 8 421<br>7 809          | 0.22%            | 36.9%<br>36.8% | 2 732<br>3 079 | 32%<br>39%   |
| 4.5                    | 0.462 - 0.762                     | BB+                 | 5 532          | 1 172           | 184          | 6 888                     | 0.59%            | 36.2%          | 3 182          | 46%          | 4 822          | 909             | 187              | 5 918                    | 0.59%                          | 34.7%          | 2 639          | 45%          | 4 685          | 944             | 236          | 5 865                   | 0.59%            | 36.1%          | 2 809          | 48%          |
| 5                      | 0.762 - 1.256                     | BB                  | 6 437          | 1 491           | 307          | 8 235                     | 0.98%            | 35.8%          | 4 889          | 59%          | 6 483          | 1 284           | 404              | 8 171                    | 0.98%                          | 35.6%          | 4 837          | 59%          | 7 005          | 1 578           | 308          | 8 891                   | 0.98%            | 39.0%          | 5 944          | 67%          |
| 6                      | 1.256 - 2.070<br>2.070 - 3.412    | BB-<br>B+           | 2 962<br>1 892 | 650<br>421      | 142<br>175   | 3 754<br>2 488            | 1.61%<br>2.66%   | 35.7%<br>35.5% | 2 563<br>1 926 | 68%<br>77%   | 2 917<br>1 678 | 710<br>383      | 158<br>142       | 3 785<br>2 203           | 1.61%<br>2.66%                 | 36.2%<br>36.1% | 2 608<br>1 756 | 69%<br>80%   | 2 772<br>1 680 | 682<br>407      | 149<br>156   | 3 603<br>2 243          | 1.61%<br>2.66%   | 36.9%<br>36.6% | 2 547<br>1 837 | 71%<br>82%   |
| 6.5                    | 3.412 -5.625                      | В                   | 1 108          | 147             | 74           | 1 329                     | 4.38%            | 35.2%          | 1 153          | 87%          | 1 192          | 163             | 73               | 1 428                    | 4.38%                          | 35.3%          | 1 233          | 86%          | 1 160          | 145             | 97           | 1 402                   | 4.38%            | 36.6%          | 1 235          | 88%          |
| 7                      | 5.625 - 9.272                     | В-                  | 894            | 120             | 35           | 1 049                     | 7.22%            | 40.4%          | 1 287          | 123%         | 870            | 91              | 31               | 992                      | 7.22%                          | 36.7%          | 1 066          | 107%         | 919            | 80              | 41           | 1 040                   | 7.22%            | 38.4%          | 1 177          | 113%         |
| 7.5<br>8               | 9.272 - 15.284                    | CCC+                | 209            | 27              | 1            | 237<br>31                 | 11.90%<br>19.62% | 43.9%<br>43.1% | 369<br>53      | 156%<br>171% | 182<br>21      | 26<br>1         | _                | 208<br>22                | 11.90%<br>19.62%               | 39.7%<br>36.4% | 294<br>32      | 141%<br>145% | 173<br>14      | 22              | 1            | 196<br>14               | 11.90%<br>19.62% | 36.7%<br>35.1% | 266<br>19      | 136%<br>136% |
| 8.5                    | 25.195 - 100                      | ccc-                | 65             | 2               | _            | 67                        | 32.35%           | 59.3%          | 188            | 281%         | 81             | 1               | 3                | 85                       | 32.35%                         | 64.8%          | 266            | 313%         | 60             | 1               | -            | 61                      | 32.35%           | 58.9%          | 167            | 274%         |
| 9                      | 100                               | cc                  | 268            | 1               | 1            | 270                       | 100.00%          | 39.5%          | 540            | 200%         | 275            | 3               | -                | 278                      | 100.00%                        | 40.9%          | 576            | 207%         | 276            | 6               | -            | 282                     | 100.00%          | 41.7%          | 682            | 242%         |
| 10                     | 100<br>100                        | C<br>D              |                | _               | _            | _                         | _                | _              | _              | _            | _              | _               | _                | _                        | _                              | _              | _              | _            | _              | _               | _            | _                       | _                | _              | _              | _            |
| Total                  | 100                               | -                   | 37 372         | 13 060          | 2 661        | 53 093                    | 1.40%            | 38.0%          | 25 371         | 48%          | 36 438         | 13 167          | 2 662            | 52 267                   | 1.43%                          | 37.7%          | 24 679         | 47%          | 35 241         | 12 875          | 2 639        | 50 755                  | 1.46%            | 38.2%          | 25 057         | 49%          |
|                        |                                   |                     |                |                 |              | Q1 2                      | 016              |                |                |              |                |                 |                  | Q4 20                    |                                |                |                |              |                |                 |              | Q3 20                   | 15               |                |                |              |
| Internal               | PD Range                          | S&P rating          |                |                 |              | EAD Amount                | Average PD Av    | verses I GD    |                | Percentage   |                |                 | Sovereign        | AIRB exposure            | s by internal PI Average PD    |                |                | Percentage   |                |                 | F            | AD Amount               | Average PD       | Average I GD   |                | Percentage   |
| Ratings grade          | es 0.000%                         | equivalent          | Drawn          | Undrawn         | Other        | Total                     | (%)              | (%)            | RWA            | RWA (%)      | Drawn          | Undrawn         | Other            | Total                    | (%)                            | (%)            | RWA            | RWA (%)      | Drawn          | Undrawn         | Other        | Total                   | (%)              | (%)            | KWA            | RWA (%)      |
| 1                      | 0.000 - 0.010                     | AAA AA-             | 16 301         | 122             | 355          | 16 778                    | 0.01%            | 10.5%          | 342            | 2%           | 15 823         | 130             | 658              | 16 611                   | 0.01%                          | 10.4%          | 329            | 2%           | 14 464         | 146             | 357          | 14 967                  | 0.01%            | 10.4%          | 298            | 2%           |
| 2                      | 0.010 - 0.019                     | A+<br>A             | 4 088<br>1 323 | 2 946<br>826    | 1 110<br>12  | 8 144<br>2 161            | 0.01%            | 13.3%<br>18.2% | 209<br>104     | 3%<br>5%     | 3 664<br>1 269 | 3 295<br>532    | 618<br>11        | 7 577<br>1 812           | 0.01%                          | 13.6%<br>18.1% | 220<br>80      | 3%<br>4%     | 3 795<br>1 199 | 2 751<br>510    | 676<br>10    | 7 222<br>1 719          | 0.01%            | 13.7%<br>17.7% | 201<br>74      | 3%<br>4%     |
| 2.5                    | 0.033 - 0.060                     | A-                  | 7              | 1               | -            | 8                         | 0.05%            | 14.6%          | 1              | 13%          | 7              | 1               | -                | 8                        | 0.05%                          | 14.6%          | -              | -            | 8              | 1               | -            | 9                       | 0.05%            | 14.7%          | 1              | 11%          |
| 3                      | 0.060 - 0.107                     | BBB+<br>BBB         | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 4                      | 0.107 - 0.191                     | BBB-                | 21             | _               | _            | 21                        | 0.26%            | 14.5%          | 2              | 10%          | _              | _               | _                | _                        | _                              | _              | _              |              | _              | _               | _            | _                       | _                | _              | _              | _            |
| 4.5                    | 0.342 - 0.612                     | BB+                 | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 5                      | 0.612 - 1.095                     | BB<br>BB-           | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 6                      | 1.095 - 1.960<br>1.960 - 3.507    | BH-                 | _              | _               | _            | _                         |                  | _              | _              | _            | 15             | _               | _                | 15                       | 2.62%                          | 18.5%          | - 8            | 53%          | 15             | _               | _            | 15                      | 2.62%            | 18.5%          | - 6            | 40%          |
| 6.5                    | 3.507 - 6.276                     | В                   | -              | 28              | 8            | 36                        | 4.69%            | 14.1%          | 14             | 39%          | -              | 27              | 8                | 35                       | 4.69%                          | 14.1%          | 14             | 40%          | -              | 30              | 5            | 35                      | 4.69%            | 14.1%          | 14             | 40%          |
| 7                      | 6.276 - 11.231<br>11.231 - 20.099 | B-<br>CCC+          | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 8                      | 20.099 - 35.967                   |                     | _              | _               | _            | _                         |                  | _              | _              | _            | _              | _               | _                | _                        | _                              | _              | _              | _            | _              | _               | _            | -                       | _                | _              | _              | _            |
| 8.5                    | 35.967 - 100                      | CCC-                | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 9                      | 100<br>100                        | cc<br>c             | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 10                     | 100                               | D                   | _              | _               | _            | _                         |                  | _              | _              | _            | _              | _               | _                | _                        | _                              | _              | _              |              | _              | _               | -            | -                       | _                | _              | -              | _            |
| Total                  | •                                 |                     | 21 740         | 3 923           | 1 485        |                           | 0.02%            | 11.9%          | 672            | 2%           | 20 778         | 3 985           | 1 295            | 26 058                   | 0.02%                          | 11.9%          | 651            | 2%           | 19 481         | 3 438           | 1 048        |                         | 0.02%            | 12.0%          | 594            | 2%           |
|                        |                                   |                     |                |                 |              | Q1 2                      | 016              |                |                |              |                |                 |                  | Q4 20<br>utions AIRB exp |                                | - Lan          |                |              |                |                 |              | Q3 20                   | 15               |                |                |              |
| Internal               | PD Range                          | S&P rating          |                |                 |              | EAD Amount                | Average PD Av    | verage LGD     | RWA            | Percentage   |                |                 | inancial institi | EAD Amount               | Average PD                     | Average LGD    | RWA            | Percentage   |                |                 | E            | AD Amount               | Average PD       |                | RWA            | Percentage   |
| Ratings grad           |                                   | equivalent          | Drawn          | Undrawn         | Other        | Total                     | (%)              | (%)            |                | RWA (%)      | Drawn          | Undrawn         | Other            | Total                    | (%)                            | (%)            |                | RWA (%)      | Drawn          | Undrawn         | Other        | Total                   | (%)              | (%)            |                | RWA (%)      |
| 1                      | 0.000 - 0.035<br>0.035 - 0.044    | AAA AA-<br>A+       | 126<br>327     | _               | 2 504<br>416 | 2 630<br>743              | 0.03%            | 64.0%<br>50.1% | 214<br>93      | 8%<br>13%    | 309<br>327     | _               | 2 533<br>493     | 2 842<br>820             | 0.03%<br>0.04%                 | 64.1%<br>45.0% | 381<br>109     | 13%<br>13%   | 215<br>355     | _               | 2 448<br>341 | 2 663<br>696            | 0.03%            | 64.4%<br>49.1% | 349<br>115     | 13%<br>17%   |
| 2                      | 0.044 - 0.063                     | A                   | 269            | 30              | 2 425        | 2 724                     | 0.05%            | 37.1%          | 179            | 7%           | 152            | 30              | 1 951            | 2 133                    | 0.05%                          | 37.5%          | 178            | 8%           | 156            | 30              | 1 730        | 1 916                   | 0.05%            | 38.0%          | 166            | 9%           |
| 2.5                    | 0.063 - 0.103                     | A-                  | 251            | -               | 1 611        | 1 862                     | 0.08%            | 19.0%          | 141            | 8%           | 237            | -               | 1 804            | 2 041                    | 0.08%                          | 16.7%          | 157            | 8%           | 70             | -               | 2 394        | 2 464                   | 0.08%            | 10.3%          | 111            | 5%           |
| 3.5                    | 0.103 - 0.170<br>0.170 -0.280     | BBB+<br>BBB         | 259<br>1 391   | _               | 434<br>434   | 693<br>1 825              | 0.13%<br>0.22%   | 39.5%<br>22.7% | 161<br>374     | 23%<br>20%   | 287<br>417     | 13              | 423<br>253       | 723<br>670               | 0.13%<br>0.22%                 | 41.9%<br>44.8% | 197<br>274     | 27%<br>41%   | 266<br>378     | 12              | 353<br>196   | 631<br>574              | 0.13%<br>0.22%   | 41.9%<br>43.9% | 164<br>214     | 26%<br>37%   |
| 4                      | 0.280 - 0.462                     | BBB-                | 268            | 100             | 1 361        | 1 729                     | 0.36%            | 35.8%          | 588            | 34%          | 157            | 93              | 1 203            | 1 453                    | 0.36%                          | 35.0%          | 554            | 38%          | 138            | 45              | 464          | 647                     | 0.36%            | 38.9%          | 323            | 50%          |
| 4.5                    | 0.462 - 0.762<br>0.762 - 1.256    | BB+<br>BB           | 324<br>11      | 5 2             | 268<br>200   | 597<br>213                | 0.59%            | 50.7%<br>42.1% | 415<br>157     | 70%<br>74%   | 230            | 5               | 284<br>41        | 519<br>50                | 0.59%                          | 42.6%<br>47.0% | 343<br>39      | 66%<br>78%   | 164<br>1       | 6               | 1 556<br>22  | 1 726<br>23             | 0.59%<br>0.98%   | 40.0%<br>52.3% | 942<br>20      | 55%<br>87%   |
| 5.5                    | 1.256 - 2.070                     | BB-                 | -              | -               | 200          | 5                         | 1.61%            | 47.8%          | 4              | 80%          | -              | _               | 3                | 3                        | 1.61%                          | 52.8%          | 4              | 133%         | 3              | -               | 2            | 5                       | 1.61%            | 44.8%          | 6              | 120%         |
| 6                      | 2.070 - 3.412                     | B+                  | -              | -               | 1            | 1                         | 2.66%            | 30.6%          | 1              | 100%         | -              | -               | 3                | 3                        | 2.66%                          | 28.1%          | 2              | 67%          | -              | -               | -            | -                       | -                | -              | -              | -            |
| 6.5<br>7               | 3.412 -5.625<br>5.625 - 9.272     | B<br>B-             | 59             | -               | -            | 59                        | 4.38%            | 57.7%          | 129            | 219%         | 16             | _               | -                | 16                       | 4.38%                          | 58.5%          | 31             | 194%         | 17             | -               | 21           | 38                      | 4.38%            | 43.2%          | 53             | 139%         |
| 7.5                    | 9.272 - 15.284                    | CCC+                | -              | -               | -            | -                         | -                | -              | -              | -            | -              | _               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | _            |
| 8                      | 15.284 - 25.195                   |                     | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 9                      | 25.195 - 100<br>100               | CCC-                |                | _               | _            |                           | _                | _              | _              | -            | _              | _               | _                | -                        | _                              | _              | _              | _            | _              | -               | _            | _                       | _                | _              | _              | _            |
| 9.5                    | 100                               | c                   | -              | -               | -            | -                         | -                | -              | -              | -            | -              | -               | -                | -                        | -                              | -              | -              | -            | -              | -               | -            | -                       | -                | -              | -              | -            |
| 10<br>Total            | 100                               | D                   | -<br>3 285     | 137             | 9 659        | 13 081                    | 0.17%            | 39.4%          | -<br>2 456     | 19%          | 2 139          | 143             | -<br>8 991       | -<br>11 273              | 0.16%                          | 41.7%          | 2 269          | 20%          | 1 763          | 93              | 9 527        | 11 383                  | 0.25%            | 39.8%          | 2 463          | 22%          |
| iviai                  |                                   | 1                   | 3 465          | 01.2            |              | 15 061                    | U.1/70           | 37.4 M         | 2 420          | 17/0         | 2 137          | Q4 20           |                  | 11 2/3                   | 0.10%                          | 41./70         | 2 209          | 20%          | 1/03           | 03 20           |              | 11 303                  | U.2376           | 37.070         | 2 403          | 2270         |
|                        |                                   |                     | Notic          | onal undrawn    |              | D on undrawn              |                  |                |                | F            | Notion         | al undrawn      |                  | on undrawn               |                                |                |                | F            | Notio          | nal undrawn     |              | n undrawn               |                  |                |                |              |
|                        | itments - AIRB Non-               | retail portfolios   |                | commitments     |              | ommitments <sup>(2)</sup> |                  |                |                | <u> </u>     |                | ommitments      | co               | mmitments <sup>(2)</sup> |                                |                |                | <u> </u>     |                | commitments     | com          | mitments <sup>(2)</sup> |                  |                |                |              |
| Corporate<br>Sovereign |                                   |                     |                | 33 797<br>9 074 |              | 13 060<br>3 923           |                  |                |                |              |                | 34 026<br>9 114 |                  | 13 167<br>3 985          |                                |                |                |              |                | 33 033<br>7 933 |              | 12 875<br>3 438         |                  |                |                |              |
| Financial Insti        | itutions                          |                     |                | 273             |              | 137                       |                  |                |                |              |                | 285             |                  | 143                      |                                |                |                |              |                | 186             |              | 93                      |                  |                |                |              |
| Total                  |                                   | ·                   |                | 43 144          |              | 17 120                    |                  |                |                |              |                | 43 425          |                  | 17 295                   |                                |                |                |              |                | 41 152          | · ·          | 16 406                  |                  |                |                |              |
|                        |                                   |                     |                |                 |              |                           |                  |                |                |              |                |                 |                  |                          |                                |                |                |              |                |                 |              |                         |                  |                |                |              |

<sup>(1)</sup> The data presented above take into account permissible netting and exclude SME-Retail Portfolio, trading related portfolio and Equity.
(2) EAD undrawn commitments are the undrawn commitments (notional amount) that is currently undrawn but expected to be drawn in the event of a default.

# AIRB Credit Risk Exposure - Back-Testing(1)

|   |                                |                               |        |                                  |                                     | 20                               | 16                             |       |  |                                  |                                     |                                  |
|---|--------------------------------|-------------------------------|--------|----------------------------------|-------------------------------------|----------------------------------|--------------------------------|-------|--|----------------------------------|-------------------------------------|----------------------------------|
|   |                                |                               | Q      | 3                                |                                     |                                  |                                |       | Q  | 2                                |                                     |                                  |
| (unaudited) (millions of Canadian dollars)                                      | Average<br>estimated<br>(PD %) | Actual<br>default rate<br>(%) | (0)    | Actual<br>(LGD %) <sup>(3)</sup> | Estimated<br>(EAD %) <sup>(4)</sup> | Actual<br>(EAD %) <sup>(4)</sup> | Average<br>estimated<br>(PD %) |       | Average<br>estimated<br>(LGD %) <sup>(2)</sup> | Actual<br>(LGD %) <sup>(3)</sup> | Estimated<br>(EAD %) <sup>(4)</sup> | Actual<br>(EAD %) <sup>(4)</sup> |
| Retail portfolio <sup>(5)</sup>   |                                |                               |        |                                  |                                     |                                  |                                |       |  |                                  |                                     |                                  |
| Uninsured residential mortgages incl. Home equity line of credit <sup>(6)</sup> | 0.41%                          | 0.18%                         | 27.34% | 9.83%                            | 96.97%                              | 80.40%                           | 0.41%                          | 0.17% | 28.40%   | 9.43%                            | 97.09%                              | 76.12%                           |
| Insured residential mortgages <sup>(7)</sup>                                    | 1.37%                          | 0.89%                         | 2.87%  | na                               | na                                  | na                               | 1.37%                          | 0.90% | 2.86%  | na                               | na                                  | na                               |
| Qualifying revolving retail   | 1.30%                          | 1.29%                         | 71.98% | 77.59%                           | 99.05%                              | 97.27%                           | 1.37%                          | 1.27% | 72.62%   | 78.60%                           | 99.95%                              | 97.69%                           |
| Other retail  | 1.81%                          | 1.62%                         | 70.54% | 61.39%                           | 97.51%                              | 95.51%                           | 1.78%                          | 1.71% | 70.63%   | 60.15%                           | 93.01%                              | 94.07%                           |
| Wholesale & Sovereign portfolio <sup>(8)</sup>                                  |                                |                               |        |                                  |                                     |                                  |                                |       |  |                                  |                                     |                                  |
| Corporate   | 1.69%                          | 0.47%                         | 42.38% | 23.65%                           | 81.86%                              | 77.95%                           | 1.71%                          | 0.55% | 42.08%   | 30.77%                           | 82.90%                              | 75.78%                           |
| Sovereign <sup>(9)</sup>  | 0.04%                          | 0.00%                         | 11.54% | na                               | 81.00%                              | na                               | 0.04%                          | 0.00% | 11.54%   | na                               | 81.00%                              | na                               |
| Financial Institutions (9)  | 0.63%                          | 0.00%                         | 39.00% | na                               | 100.00%                             | na                               | 0.61%                          | 0.00% | 39.00%   | na                               | 100.00%                             | na                               |

|   |                                |                               | 20     | 16                               |                                     |                                  |                                |                               | 20   | 15                               |                                     |                                  |
|---|--------------------------------|-------------------------------|--------|----------------------------------|-------------------------------------|----------------------------------|--------------------------------|-------------------------------|--|----------------------------------|-------------------------------------|----------------------------------|
|   |                                |                               | Q      | 1                                |                                     |                                  |                                |                               | Q  | 4                                |                                     |                                  |
| (unaudited) (millions of Canadian dollars)                                      | Average<br>estimated<br>(PD %) | Actual<br>default rate<br>(%) | (0)    | Actual<br>(LGD %) <sup>(3)</sup> | Estimated<br>(EAD %) <sup>(4)</sup> | Actual<br>(EAD %) <sup>(4)</sup> | Average<br>estimated<br>(PD %) | Actual<br>default rate<br>(%) | Average<br>estimated<br>(LGD %) <sup>(2)</sup> | Actual<br>(LGD %) <sup>(3)</sup> | Estimated<br>(EAD %) <sup>(4)</sup> | Actual<br>(EAD %) <sup>(4)</sup> |
| Retail portfolio <sup>(5)</sup>   |                                |                               |        |                                  |                                     |                                  |                                |                               |  |                                  |                                     |                                  |
| Uninsured residential mortgages incl. Home equity line of credit <sup>(6)</sup> | 0.43%                          | 0.20%                         | 28.06% | 6.92%                            | 96.89%                              | 78.91%                           | 0.43%                          | 0.20%                         | 29.45%   | 7.05%                            | 97.42%                              | 75.74%                           |
| Insured residential mortgages <sup>(7)</sup>                                    | 1.39%                          | 0.93%                         | 2.80%  | na                               | na                                  | na                               | 1.36%                          | 0.94%                         | 2.83%  | na                               | na                                  | na                               |
| Qualifying revolving retail   | 1.43%                          | 1.21%                         | 72.43% | 78.68%                           | 99.69%                              | 97.48%                           | 1.40%                          | 1.22%                         | 73.94%   | 78.31%                           | 99.64%                              | 97.45%                           |
| Other retail  | 1.81%                          | 1.77%                         | 70.02% | 61.30%                           | 92.86%                              | 93.31%                           | 1.81%                          | 1.90%                         | 68.32%   | 60.07%                           | 92.46%                              | 92.32%                           |
| Wholesale & Sovereign portfolio <sup>(8)</sup>                                  |                                |                               |        |                                  |                                     |                                  |                                |                               |  |                                  |                                     |                                  |
| Corporate   | 1.69%                          | 0.56%                         | 41.99% | 28.98%                           | 82.85%                              | 79.03%                           | 1.67%                          | 0.77%                         | 42.26%   | 33.16%                           | 83.12%                              | 73.91%                           |
| Sovereign <sup>(9)</sup>  | 0.04%                          | 0.00%                         | 11.54% | na                               | 81.00%                              | na                               | 0.04%                          | 0.00%                         | 11.54%   | na                               | 81.00%                              | na                               |
| Financial Institutions (9)  | 0.62%                          | 0.00%                         | 39.00% | na                               | 100.00%                             | na                               | 0.62%                          | 0.00%                         | 39.00%   | na                               | 100.00%                             | na                               |

- (1) Actual and estimated parameters are reported on a three-month lag. For example, for Q3 2016, estimated percentages are as of April 30, 2015 and actual percentages reflect experience in the following 12 months.
- (2) Estimated LGD reflects loss estimates under a downturn economic scenario and is based on defaulted accounts.
- (3) Actual LGD includes indirect costs and discount rate and is based on defaulted accounts on which recovery process is completed.
- (4) Estimated and actual EAD are computed for revolving products only and are based on defaulted accounts.
- (5) Retail PD and EAD are based on account weighted average whilst retail LGD is based on exposure weighted average.
- (6) Actual and estimated EAD for residential mortgage is computed only for Home equity lines of credit since the conventional residential mortgages are non-revolving.
- (7) Actual LGD for insured residential mortgages is n/a to reflect the credit risk mitigation from government backed entities.
- (8) Wholesale and Sovereign's PD is based on borrower weighted average whilst the LGD and EAD are based on facility weighted average.
- (9) Actual LGD for the Financial Institutions and Sovereign are na because no defaulted facilities recovery were completed during the period. Actual EAD are na because no default was observed during the period.

## **Distribution of Gross Credit Risk Exposure** (Non-Retail Portfolio by Industries)

|                                   |        |             |       |              |             |         |        |             |           | 2016                       |             |         |        |             |       |              |             |         |
|-----------------------------------|--------|-------------|-------|--------------|-------------|---------|--------|-------------|-----------|----------------------------|-------------|---------|--------|-------------|-------|--------------|-------------|---------|
| (unaudited)                       |        |             |       | Q3           |             |         |        |             |           | Q2                         |             |         |        |             |       | Q1           |             |         |
| (millions of Canadian dollars)    |        |             |       |              |             |         |        |             | EAD - Gro | ss Exposure <sup>(1)</sup> |             |         |        |             |       |              |             |         |
|                                   |        | Undrawn     |       | Repo-style   | ОТС         |         |        | Undrawn     |           | Repo-style                 | отс         |         |        | Undrawn     |       | Repo-style   | отс         |         |
| Non-Retail Portfolio              | Drawn  | commitments | Other | transactions | Derivatives | Total   | Drawn  | commitments | Other     | transactions               | Derivatives | Total   | Drawn  | commitments | Other | transactions | Derivatives | Total   |
| Agriculture                       | 3 688  | 227         | 6     | _            | _           | 3 921   | 3 604  | 238         | 6         | -                          | -           | 3 848   | 3 586  | 190         | 6     | -            | -           | 3 782   |
| Oil and Gas                       | 2 559  | 1 269       | 58    | -            | -           | 3 886   | 2 911  | 1 572       | 64        | -                          | -           | 4 547   | 3 204  | 1 661       | 62    | -            | -           | 4 927   |
| Mining                            | 317    | 738         | 34    | -            | -           | 1 089   | 357    | 493         | 30        | -                          | -           | 880     | 494    | 397         | 34    | -            | -           | 925     |
| Utilities                         | 2 240  | 1 660       | 452   | -            | -           | 4 352   | 2 071  | 1 901       | 380       | -                          | -           | 4 352   | 1 979  | 1 944       | 374   | -            | -           | 4 297   |
| Construction <sup>(2)</sup>       | 2 249  | 1 122       | 210   | -            | -           | 3 581   | 2 226  | 1 186       | 207       | -                          | -           | 3 619   | 2 179  | 1 191       | 210   | -            | -           | 3 580   |
| Manufacturing                     | 3 765  | 1 921       | 258   | -            | _           | 5 944   | 3 615  | 1 968       | 250       | -                          | -           | 5 833   | 3 641  | 2 125       | 266   | -            | _           | 6 032   |
| Wholesale Trade                   | 1 832  | 652         | 46    | -            | -           | 2 530   | 1 819  | 628         | 53        | -                          | -           | 2 500   | 1 735  | 634         | 55    | -            | -           | 2 424   |
| Retail Trade                      | 2 695  | 1 106       | 45    | -            | _           | 3 846   | 3 159  | 785         | 46        | -                          | -           | 3 990   | 3 094  | 851         | 51    | -            | _           | 3 996   |
| Transportation                    | 2 426  | 1 631       | 94    | -            | -           | 4 151   | 1 886  | 1 596       | 75        | -                          | -           | 3 557   | 2 062  | 1 573       | 79    | -            | -           | 3 714   |
| Communications                    | 1 467  | 652         | 283   | -            | -           | 2 402   | 1 416  | 631         | 279       | -                          | -           | 2 326   | 1 321  | 522         | 288   | -            | -           | 2 131   |
| Finance and Insurance             | 23 136 | 1 311       | 751   | 75 497       | 775         | 101 470 | 18 142 | 1 328       | 767       | 64 283                     | 968         | 85 488  | 19 801 | 1 568       | 671   | 66 444       | 852         | 89 336  |
| Real Estate <sup>(3)</sup>        | 7 669  | 697         | 27    | 72           | -           | 8 465   | 7 595  | 675         | 30        | 70                         | -           | 8 370   | 7 914  | 587         | 32    | 59           | -           | 8 592   |
| Professional Services             | 1 137  | 730         | 330   | -            | -           | 2 197   | 1 069  | 662         | 348       | -                          | -           | 2 079   | 943    | 715         | 352   | -            | -           | 2 010   |
| Education & Health Care           | 2 524  | 1 224       | 7     | -            | -           | 3 755   | 2 526  | 1 506       | 6         | -                          | -           | 4 038   | 2 758  | 1 073       | 7     | -            | -           | 3 838   |
| Other Services                    | 4 336  | 1 056       | 220   | -            | -           | 5 612   | 4 102  | 1 094       | 295       | 1 175                      | -           | 6 666   | 4 049  | 1 077       | 286   | -            | -           | 5 412   |
| Government                        | 4 657  | 1 170       | 17    | 4 525        | -           | 10 369  | 4 939  | 1 153       | 14        | 2 216                      | -           | 8 322   | 4 314  | 1 238       | 11    | 674          | 1           | 6 238   |
| Other                             | 2 394  | 149         | 652   | _            | -           | 3 195   | 2 243  | 117         | 600       | -                          | -           | 2 960   | 2 374  | 161         | 602   | -            | -           | 3 137   |
| Total — Non-retail <sup>(4)</sup> | 69 091 | 17 315      | 3 490 | 80 094       | 775         | 170 765 | 63 680 | 17 533      | 3 450     | 67 744                     | 968         | 153 375 | 65 448 | 17 507      | 3 386 | 67 177       | 853         | 154 371 |

|                                   |        |             |       |              |             |         |        |             |           | 2015                       |             |         |        |             |       |              |             |         |
|-----------------------------------|--------|-------------|-------|--------------|-------------|---------|--------|-------------|-----------|----------------------------|-------------|---------|--------|-------------|-------|--------------|-------------|---------|
|                                   |        |             |       | Q4           |             |         |        |             |           | Q3                         |             |         |        |             |       | Q2           |             |         |
|                                   |        |             |       |              |             |         |        |             | EAD - Gro | ss Exposure <sup>(1)</sup> |             |         |        |             |       |              |             |         |
|                                   |        | Undrawn     |       | Repo-style   | отс         |         |        | Undrawn     |           | Repo-style                 | ОТС         |         |        | Undrawn     |       | Repo-style   | отс         |         |
| Non-Retail Portfolio              | Drawn  | commitments | Other | transactions | Derivatives | Total   | Drawn  | commitments | Other     | transactions               | Derivatives | Total   | Drawn  | commitments | Other | transactions | Derivatives | Total   |
| Agriculture                       | 3 509  | 190         | 6     | -            | -           | 3 705   | 3 314  | 178         | 6         | -                          | _           | 3 498   | 3 124  | 180         | 4     | -            | -           | 3 308   |
| Oil and Gas                       | 3 175  | 1 921       | 66    | -            | -           | 5 162   | 3 244  | 2 154       | 57        | -                          | _           | 5 455   | 3 652  | 2 007       | 40    | -            | -           | 5 699   |
| Mining                            | 391    | 380         | 124   | -            | -           | 895     | 381    | 449         | 110       | -                          | _           | 940     | 320    | 365         | 104   | -            | -           | 789     |
| Utilities                         | 1 758  | 2 023       | 367   | -            | -           | 4 148   | 1 646  | 1 642       | 240       | -                          | _           | 3 528   | 1 544  | 1 766       | 230   | -            | 1           | 3 541   |
| Construction <sup>(2)</sup>       | 2 185  | 1 263       | 207   | -            | -           | 3 655   | 2 273  | 1 312       | 215       | _                          | -           | 3 800   | 2 036  | 1 068       | 193   | -            | -           | 3 297   |
| Manufacturing                     | 3 573  | 1 978       | 268   | -            | -           | 5 819   | 3 656  | 1 826       | 283       | -                          | -           | 5 765   | 3 462  | 1 836       | 268   | -            | -           | 5 566   |
| Wholesale Trade                   | 1 814  | 533         | 50    | -            | -           | 2 397   | 1 760  | 552         | 66        | _                          | -           | 2 378   | 1 762  | 547         | 66    | -            | -           | 2 375   |
| Retail Trade                      | 2 830  | 1 002       | 49    | -            | -           | 3 881   | 2 917  | 921         | 58        | -                          | -           | 3 896   | 3 198  | 793         | 62    | -            | -           | 4 053   |
| Transportation                    | 1 932  | 1 562       | 80    | -            | -           | 3 574   | 1 840  | 1 667       | 77        | -                          | -           | 3 584   | 1 679  | 1 881       | 66    | -            | -           | 3 626   |
| Communications                    | 1 212  | 545         | 283   | -            | -           | 2 040   | 1 185  | 534         | 279       | -                          | -           | 1 998   | 1 166  | 653         | 283   | -            | -           | 2 102   |
| Finance and Insurance             | 18 847 | 1 670       | 660   | 72 179       | 1 127       | 94 483  | 16 182 | 1 379       | 817       | 74 218                     | 727         | 93 323  | 14 931 | 1 300       | 740   | 73 666       | 1 041       | 91 678  |
| Real Estate <sup>(3)</sup>        | 7 508  | 554         | 32    | 63           | _           | 8 157   | 7 119  | 623         | 46        | 70                         | _           | 7 858   | 6 847  | 704         | 27    | 78           | _           | 7 656   |
| Professional Services             | 980    | 685         | 348   | -            | -           | 2 013   | 1 051  | 639         | 351       | _                          | _           | 2 041   | 1 010  | 712         | 327   | -            | -           | 2 049   |
| Education & Health Care           | 2 453  | 1 069       | 6     | -            | _           | 3 528   | 2 566  | 738         | 5         | _                          | _           | 3 309   | 2 341  | 708         | 5     | -            | _           | 3 054   |
| Other Services                    | 3 988  | 988         | 250   | _            | _           | 5 226   | 4 521  | 868         | 199       | 112                        | _           | 5 700   | 4 207  | 1 005       | 210   | 1            | -           | 5 423   |
| Government                        | 3 974  | 1 243       | 11    | 615          | _           | 5 843   | 3 706  | 1 233       | 7         | 1 032                      | _           | 5 978   | 3 689  | 1 410       | 7     | 1 161        | _           | 6 267   |
| Other                             | 1 895  | -           | 625   | _            | _           | 2 520   | 1 785  | 1           | 599       | _                          | _           | 2 385   | 1 660  | -           | 683   | -            | _           | 2 343   |
| Total – Non-retail <sup>(3)</sup> | 62 024 | 17 606      | 3 432 | 72 857       | 1 127       | 157 046 | 59 146 | 16 716      | 3 415     | 75 432                     | 727         | 155 436 | 56 628 | 16 935      | 3 315 | 74 906       | 1 042       | 152 826 |

<sup>(1)</sup> EAD amounts are after securitization and exclude trading related portfolio.

 $<sup>\</sup>ensuremath{\text{(2)}}\ \mbox{Includes some public private partnership and project finance loans.}$ 

<sup>(3)</sup> Includes residential mortgages 5 units and more.

<sup>(4)</sup> This total excludes SME retail exposure.

### Gross Credit Risk Exposure at Default in Europe (1)

|   |       |                        |   |                    |     |        |       |                        | 20    | 16                 |     |       |       |                        |       |                    |  |        |
|---|-------|------------------------|---|--------------------|-----|--------|-------|------------------------|-------|--------------------|-----|-------|-------|------------------------|-------|--------------------|--|--------|
|   |       |                        | Q:  | 3                  |     |        |       |                        | Q     | 2                  |     |       |       |                        | Q     | 1                  |  |        |
| (unaudited)<br>(millions of Canadian dollars) | Drawn | Undrawn<br>commitments | Repo-style<br>transactions <sup>(2)</sup> | OTC<br>derivatives |     | Total  | Drawn | Undrawn<br>commitments |       | OTC<br>derivatives |     | Total | Drawn | Undrawn<br>commitments |       | OTC<br>derivatives | Other<br>off-balance<br>sheet items <sup>(3)</sup> |        |
| Greece  | -     | -                      | -   | -                  | -   | -      | -     | -                      | -     | -                  | -   | 1     | -     | -                      | -     | 1                  | 1  | _      |
| Ireland                                       | -     | -                      | 1 675                                     | 3                  | -   | 1 678  | -     | -                      | 1 503 | 1                  | -   | 1 504 | 1     | -                      | 865   | 1                  | -  | 867    |
| Italy   | -     | -                      | -   | -                  | 1   | 1      | -     | -                      | -     | -                  | 1   | 1     | -     | -                      | -     | -                  | 1  | 1      |
| Portugal                                      | -     | -                      | -   | -                  | -   | -      | -     | -                      | -     | -                  | -   | -     | -     | -                      | -     | -                  | -  | _      |
| Spain   | 20    | -                      | -   | -                  | 90  | 110    | 25    | -                      | -     | -                  | 132 | 157   | 25    | -                      | -     | _                  | 134  | 159    |
| Total GIIPS                                   | 20    | -                      | 1 675                                     | 3                  | 91  | 1 789  | 25    | -                      | 1 503 | 1                  | 133 | 1 662 | 26    | -                      | 865   | 1                  | 135  | 1 027  |
| France  | 54    | 33                     | 1 210                                     | 261                | 292 | 1 850  | 21    | -                      | 154   | 91                 | 285 | 551   | 98    | -                      | 1 254 | 250                | 285  | 1 887  |
| Germany                                       | 1     |                        |   | 16                 | 51  | 68     | -     | -                      | -     | 38                 | 51  | 89    | 4     | -                      | -     | 27                 | 57   | 88     |
| United Kingdom                                | 70    | 5                      | 3 915                                     | 834                | 5   | 4 829  | 71    | 5                      | 3 660 | 744                | 5   | 4 485 | 135   | 5                      | 4 452 | 1 058              | 13   | 5 663  |
| Other Europe                                  | 68    |                        | 1 237                                     | 193                | 19  | 1 517  | 139   | -                      | 852   | 253                | 18  | 1 262 | 165   | -                      | 1 076 | 286                | 21   | 1 548  |
| Total - Credit Risk                           | 213   | 38                     | 8 037                                     | 1 307              | 458 | 10 053 | 256   | 5                      | 6 169 | 1 127              | 492 | 8 049 | 428   | 5                      | 7 647 | 1 622              | 511  | 10 213 |

|  |       |             |                             | Other                      |       |       |             |                             | Other                      |       |       |             |                             | Other                      |       |
|--|-------|-------------|-----------------------------|----------------------------|-------|-------|-------------|-----------------------------|----------------------------|-------|-------|-------------|-----------------------------|----------------------------|-------|
| Adjustment to exposure for             |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |
| collateral                             | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total |
| Total - Net Credit Risk <sup>(4)</sup> | 213   | 38          | 1 700                       | 458                        | 2 409 | 256   | 5           | 1 538                       | 492                        | 2 291 | 428   | 5           | 1 838                       | 511                        | 2 782 |

|   |       |                        |   |                    |     |       |       |                        | 20    | 15                 |     |        |       |                        |   |                    |  |        |
|---|-------|------------------------|---|--------------------|-----|-------|-------|------------------------|-------|--------------------|-----|--------|-------|------------------------|---|--------------------|--|--------|
|   |       |                        | Q4  | ı                  |     |       |       |                        | Q     | 3                  |     |        |       |                        | Q   | 2                  |  |        |
| (unaudited)<br>(millions of Canadian dollars) | Drawn | Undrawn<br>commitments | Repo-style<br>transactions <sup>(2)</sup> | OTC<br>derivatives |     | Total | Drawn | Undrawn<br>commitments |       | OTC<br>derivatives |     | Total  | Drawn | Undrawn<br>commitments | Repo-style<br>transactions <sup>(2)</sup> | OTC<br>derivatives | Other<br>off-balance<br>sheet items <sup>(3)</sup> |        |
| Greece  | -     | -                      | -   | -                  | 1   | -     | 1     | -                      | 1     | 1                  | -   | -      | -     | -                      | -   | -                  | 1  | 1      |
| Ireland                                       | -     | -                      | 784                                       | -                  | -   | 784   | -     | -                      | -     | -                  | -   | -      | -     | -                      | -   | -                  | -  | - I    |
| Italy   | -     | -                      | -   | -                  | -   | -     | -     | -                      | -     | -                  | 1   | 1      | -     | -                      | -   | -                  | -  | -      |
| Portugal                                      | -     | -                      | -   | -                  | -   | -     | -     | -                      | -     | -                  | -   | _      | -     | -                      | -   | -                  | -  | -      |
| Spain   | 30    | -                      | -   | 1                  | 102 | 133   | 25    | -                      | -     | 2                  | 133 | 160    | 24    | -                      | -   | 1                  | 134  | 159    |
| Total GIIPS                                   | 30    | _                      | 784                                       | 1                  | 102 | 917   | 25    | -                      | _     | 2                  | 134 | 161    | 24    | _                      | _   | 1                  | 135  | 160    |
| France  | 47    | 4                      | 1 794                                     | 502                | 220 | 2 567 | 89    | 2                      | 2 419 | 505                | 286 | 3 301  | 63    | 2                      | 1 468                                     | 570                | 291  | 2 394  |
| Germany                                       | 6     | 103                    | -   | 23                 | 44  | 176   | 1     | 108                    | 254   | 23                 | 42  | 428    | 131   | 122                    | 239                                       | 16                 | 41   | 549    |
| United Kingdom                                | 269   | 5                      | 3 831                                     | 786                | 10  | 4 901 | 661   | 2                      | 4 946 | 876                | 1   | 6 486  | 622   | 3                      | 4 541                                     | 852                | 1  | 6 019  |
| Other Europe                                  | 195   | 12                     | 847                                       | 308                | 16  | 1 378 | 71    | 5                      | 951   | 377                | 20  | 1 424  | 148   | 7                      | 518                                       | 448                | 20   | 1 141  |
| Total - Credit Risk                           | 547   | 124                    | 7 256                                     | 1 620              | 392 | 9 939 | 847   | 117                    | 8 570 | 1 783              | 483 | 11 800 | 988   | 134                    | 6 766                                     | 1 887              | 488  | 10 263 |

|  |       |             |                             | Other                      |       |       |             |                             | Other                      |       |       |             |                             | Other                      |       |
|--|-------|-------------|-----------------------------|----------------------------|-------|-------|-------------|-----------------------------|----------------------------|-------|-------|-------------|-----------------------------|----------------------------|-------|
| Adjustment to exposure for             |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |       | Undrawn     | Net Repo-Style transactions | off-balance                |       |
| collateral                             | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total | Drawn | commitments | and OTC derivatives         | sheet items <sup>(3)</sup> | Total |
| Total - Net Credit Risk <sup>(4)</sup> | 547   | 124         | 1 969                       | 392                        | 3 032 | 847   | 117         | 1 802                       | 483                        | 3 249 | 988   | 134         | 2 019                       | 488                        | 3 629 |

<sup>(1)</sup> Exposure at default is the expected gross exposure upon the default of an obligor. This amount is before any specific allowance or partial write-offs and does not reflect the impact of credit risk mitigation and collateral held. This table excludes Equity exposures.

<sup>(2)</sup> Represents securities purchased under reverse repurchase agreements and sold under repurchase agreements, and securities borrowed and loaned.

<sup>(3)</sup> Letters of guarantee and credit that represent the Bank's commitment to make payments in the event that a client cannot meet its financial obligations to third parties.

(4) For drawn, undrawn and Other off-balance sheet exposures, eligible financial collateral is taken into account in the Bank's Loss Given Default (LGD) models.

## Formation of Gross Impaired Loans and Allowance for Credit Losses

| (unaudited) (millions of Canadian dollars)                   |      | 2016 |      |      | 20   | 15   |      |      | 20   | 14   |      | Y     | D     | Full  | Year  |
|--|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Formation of Gross Impaired Loans <sup>(1)</sup> (by sector) | QЗ   | Q2   | Q1   | Q4   | Q3   | Q2   | Q1   | Q4   | Q3   | Q2   | Q1   | 2016  | 2015  | 2015  | 2014  |
| Opening balance  | 521  | 434  | 457  | 449  | 446  | 389  | 486  | 411  | 417  | 417  | 395  | 457   | 486   | 486   | 395   |
| Write-offs   |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Personal and Commercial                                      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Retail   | (18) | (20) | (23) | (23) | (18) | (21) | (21) | (19) | (18) | (19) | (20) | (61)  | (60)  | (83)  | (76)  |
| Commercial   | (66) | (5)  | (20) | (11) | (16) | (15) | (62) | (14) | (10) | (10) | (3)  | (91)  | (93)  | (104) | (37)  |
| Wealth Management  | (2)  | (1)  | (2)  | (1)  | (1)  | (1)  | (1)  | (2)  | (1)  | (1)  | (1)  | (5)   | (3)   | (4)   | (5)   |
| Financial Markets  |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Corporate  | _    | -    | -    | -    | (6)  | -    | -    | _    | -    | _    | _    | _     | (6)   | (6)   | _     |
| Other  | _    | _    | _    | _    | -    | -    | _    | _    | -    | _    | _    | _     | _     | _     | _     |
| Total write-offs   | (86) | (26) | (45) | (35) | (41) | (37) | (84) | (35) | (29) | (30) | (24) | (157) | (162) | (197) | (118) |
| Formation  |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Personal and Commercial                                      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Retail   | 11   | 21   | 23   | 23   | 16   | 28   | 22   | 29   | 20   | 15   | 36   | 55    | 66    | 89    | 100   |
| Commercial   | 6    | 89   | (5)  | 19   | 24   | 65   | (37) | 79   | 2    | 15   | 9    | 90    | 52    | 71    | 105   |
| Wealth Management  | (1)  | 3    | 4    | 1    | 4    | 1    | 2    | 2    | 1    | -    | 1    | 6     | 7     | 8     | 4     |
| Financial Markets  |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
| Corporate  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -     | -     | -     | -     |
| Other  | 1    | -    | -    | -    | -    | -    | -    | _    | -    | _    | -    | 1     | -     | _     | -     |
| Total formation  | 17   | 113  | 22   | 43   | 44   | 94   | (13) | 110  | 23   | 30   | 46   | 152   | 125   | 168   | 209   |
| Closing balance  | 452  | 521  | 434  | 457  | 449  | 446  | 389  | 486  | 411  | 417  | 417  | 452   | 449   | 457   | 486   |

|   |       | 2016 |      |      | 20   | 15   |       |      | 20   | 14   |      | Υ     | ſD    | Full  | Year  |
|---|-------|------|------|------|------|------|-------|------|------|------|------|-------|-------|-------|-------|
| Formation of Gross Impaired Loans (by activity) | Q3    | Q2   | Q1   | Q4   | Q3   | Q2   | Q1    | Q4   | Q3   | Q2   | Q1   | 2016  | 2015  | 2015  | 2014  |
| Opening balance                                 | 521   | 434  | 457  | 449  | 446  | 389  | 486   | 411  | 417  | 417  | 395  | 457   | 486   | 486   | 395   |
| Classified as impaired during the period        | 204   | 211  | 145  | 135  | 149  | 187  | 107   | 196  | 142  | 139  | 127  | 560   | 443   | 578   | 604   |
| Transferred to not impaired during the period   | (6)   | (6)  | (3)  | (5)  | (7)  | (8)  | (3)   | (4)  | (6)  | (7)  | (2)  | (15)  | (18)  | (23)  | (19)  |
| Net repayments                                  | (158) | (66) | (91) | (64) | (78) | (62) | (100) | (63) | (88) | (77) | (57) | (315) | (240) | (304) | (285) |
| Write-offs                                      | (104) | (45) | (64) | (53) | (60) | (54) | (97)  | (50) | (48) | (48) | (40) | (213) | (211) | (264) | (186) |
| Recoveries of loans previously written off      | (6)   | (5)  | (4)  | (5)  | (5)  | (7)  | (5)   | (3)  | (4)  | (5)  | (5)  | (15)  | (17)  | (22)  | (17)  |
| Disposals of loans                              | -     | -    | -    | -    | -    | -    | (1)   | (1)  | (2)  | (2)  | (1)  | _     | (1)   | (1)   | (6)   |
| Exchange and other movements                    | 1     | (2)  | (6)  | -    | 4    | 1    | 2     | _    | _    | -    | _    | (7)   | 7     | 7     | _     |
| Closing balance                                 | 452   | 521  | 434  | 457  | 449  | 446  | 389   | 486  | 411  | 417  | 417  | 452   | 449   | 457   | 486   |

|   |       | 2016 |      |      | 20   | 15   |       |      | 20:  | 14   |      | Y     | ſD    | Full' | Year  |
|---|-------|------|------|------|------|------|-------|------|------|------|------|-------|-------|-------|-------|
| Allowance for Credit Losses   | Q3    | Q2   | Q1   | Q4   | Q3   | Q2   | Q1    | Q4   | Q3   | Q2   | Q1   | 2016  | 2015  | 2015  | 2014  |
| Allowances at beginning   | 837   | 566  | 569  | 561  | 563  | 561  | 604   | 593  | 592  | 589  | 578  | 569   | 604   | 604   | 578   |
| Write-offs  | (110) | (50) | (68) | (58) | (65) | (61) | (103) | (54) | (54) | (54) | (47) | (228) | (229) | (287) | (209) |
| Recoveries of amounts written off in previous years                     | 8     | 5    | 5    | 5    | 6    | 5    | 5     | 7    | 4    | 4    | 6    | 18    | 16    | 21    | 21    |
| Charge to income statement (provision for credit losses) <sup>(2)</sup> | 45    | 317  | 63   | 61   | 56   | 57   | 54    | 57   | 49   | 51   | 51   | 425   | 167   | 228   | 208   |
| Disposal of loans   | -     | -    | -    | -    | -    | -    | 1     | 1    | 2    | 2    | 1    | -     | 1     | 1     | 6     |
| Exchange and other movements  | _     | (1)  | (3)  | -    | 1    | 1    | -     | _    | -    | _    | _    | (4)   | 2     | 2     | _     |
| Allowances at end   | 780   | 837  | 566  | 569  | 561  | 563  | 561   | 604  | 593  | 592  | 589  | 780   | 561   | 569   | 604   |

<sup>(1)</sup> Credit card receivables are not included.

<sup>(2)</sup> During the second quarter of 2016, a \$250 million sectoral provision for credit losses was recorded for producers and service companies in the oil and gas sector.

# Gross Credit Exposure by Residual Contractual Maturity<sup>(1)</sup>

|  |               |              |              |         |               | 20:          | 16           |         |               |              |              |         |
|--|---------------|--------------|--------------|---------|---------------|--------------|--------------|---------|---------------|--------------|--------------|---------|
| (unaudited) (millions of Canadian dollars) |               | Q:           | 3            |         |               | Q            | 2            |         |               | Q1           | Į.           |         |
|  | Within 1 year | 1 to 5 years | Over 5 years |         | Within 1 year | 1 to 5 years | Over 5 years | Total   | Within 1 year | 1 to 5 years | Over 5 years | Total   |
| Retail                                     |               |              |              |         |               |              |              |         |               |              |              |         |
| Residential mortgages                      | 27 940        | 16 793       | 312          | 45 045  | 27 803        | 15 024       | 269          | 43 096  | 28 416        | 15 175       | 244          | 43 835  |
| Qualifying revolving retail                | 5 692         | -            | -            | 5 692   | 5 442         | -            | -            | 5 442   | 5 105         | -            | -            | 5 105   |
| Other retail                               | 5 197         | 2 832        | 2 077        | 10 106  | 5 165         | 2 841        | 1 908        | 9 914   | 5 193         | 2 768        | 1 863        | 9 824   |
|  | 38 829        | 19 625       | 2 389        | 60 843  | 38 410        | 17 865       | 2 177        | 58 452  | 38 714        | 17 943       | 2 107        | 58 764  |
| Non-retail                                 |               |              |              |         |               |              |              |         |               |              |              |         |
| Corporate                                  | 40 456        | 17 015       | 2 019        | 59 490  | 37 654        | 16 231       | 3 077        | 56 962  | 34 930        | 18 286       | 3 451        | 56 667  |
| Sovereign                                  | 26 525        | 10 899       | 5 430        | 42 854  | 18 659        | 10 441       | 6 006        | 35 106  | 19 110        | 10 778       | 5 992        | 35 880  |
| Financial Institutions                     | 60 350        | 1 925        | 43           | 62 318  | 53 799        | 1 979        | 16           | 55 794  | 54 571        | 1 984        | 18           | 56 573  |
|  | 127 331       | 29 839       | 7 492        | 164 662 | 110 112       | 28 651       | 9 099        | 147 862 | 108 611       | 31 048       | 9 461        | 149 120 |
| Trading book                               | 1 069         | 4 958        | 3 426        | 9 453   | 2 201         | 5 344        | 2 550        | 10 095  | 1 973         | 5 376        | 3 500        | 10 849  |
| Total                                      | 167 229       | 54 422       | 13 307       | 234 958 | 150 723       | 51 860       | 13 826       | 216 409 | 149 298       | 54 367       | 15 068       | 218 733 |

|  |               |              |              |         |               | 20:          | 15           |         |               |              |              |         |
|--|---------------|--------------|--------------|---------|---------------|--------------|--------------|---------|---------------|--------------|--------------|---------|
| (unaudited) (millions of Canadian dollars) |               | Q.           | 4            |         |               | Q:           | 3            |         |               | Q            | 2            |         |
|  | Within 1 year | 1 to 5 years | Over 5 years | Total   | Within 1 year | 1 to 5 years | Over 5 years | Total   | Within 1 year | 1 to 5 years | Over 5 years | Total   |
| Retail                                     |               |              |              |         |               |              |              |         |               |              |              |         |
| Residential mortgages                      | 28 320        | 14 630       | 313          | 43 263  | 28 107        | 14 392       | 390          | 42 889  | 27 971        | 13 292       | 295          | 41 558  |
| Qualifying revolving retail                | 5 198         | -            | -            | 5 198   | 5 016         | -            | -            | 5 016   | 5 089         | 1            | -            | 5 090   |
| Other retail                               | 5 265         | 2 736        | 1 786        | 9 787   | 5 278         | 2 741        | 1 732        | 9 751   | 5 223         | 2 790        | 1 604        | 9 617   |
|  | 38 783        | 17 366       | 2 099        | 58 248  | 38 401        | 17 133       | 2 122        | 57 656  | 38 283        | 16 083       | 1 899        | 56 265  |
| Non-retail                                 |               |              |              |         |               |              |              |         |               |              |              |         |
| Corporate                                  | 33 479        | 18 609       | 3 140        | 55 228  | 30 851        | 19 572       | 2 488        | 52 911  | 31 884        | 17 981       | 2 405        | 52 270  |
| Sovereign                                  | 19 200        | 10 345       | 5 791        | 35 336  | 19 632        | 8 397        | 5 809        | 33 838  | 17 871        | 6 767        | 5 834        | 30 472  |
| Financial Institutions                     | 57 338        | 2 749        | 2 482        | 62 569  | 57 807        | 3 836        | 2 345        | 63 988  | 55 630        | 6 903        | 2 418        | 64 951  |
|  | 110 017       | 31 703       | 11 413       | 153 133 | 108 290       | 31 805       | 10 642       | 150 737 | 105 385       | 31 651       | 10 657       | 147 693 |
| Trading book                               | 1 050         | 5 714        | 3 035        | 9 799   | 2 139         | 6 177        | 3 066        | 11 382  | 1 538         | 6 713        | 2 769        | 11 020  |
| Total                                      | 149 850       | 54 783       | 16 547       | 221 180 | 148 830       | 55 115       | 15 830       | 219 775 | 145 206       | 54 447       | 15 325       | 214 978 |

<sup>(1)</sup> Gross credit exposure is the expected exposure upon the default of an obligor before any specific allowances or credit risk mitigation.



## **Credit Risk Mitigation - Guarantees and Credit Derivatives**

|  |                             |                     | 20                          | 16                  |                             |                     |
|--|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|
| (unaudited) (millions of Canadian dollars) | Q                           | 3                   | Q                           | 2                   | Q                           | 1                   |
| Total exposure covered by:                 | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> |
| Retail                                     |                             |                     |                             |                     |                             |                     |
| Residential mortgage                       | 1 146                       | 6 259               | 963                         | 4 737               | 541                         | 5 534               |
| Qualifying revolving retail                | -                           | _                   | _                           | _                   | -                           | -                   |
| Other retail                               | 2 578                       | 195                 | 2 694                       | 203                 | 2 809                       | 299                 |
|  | 3 724                       | 6 454               | 3 657                       | 4 940               | 3 350                       | 5 833               |
| Non-retail                                 |                             |                     |                             |                     |                             |                     |
| Corporate                                  | 712                         | 2 099               | 1 016                       | 2 178               | 1 107                       | 2 489               |
| Sovereign                                  | -                           | _                   | _                           | _                   | -                           | -                   |
| Financial Institutions                     | _                           | _                   | ı                           | -                   | _                           | _                   |
|  | 712                         | 2 099               | 1 016                       | 2 178               | 1 107                       | 2 489               |
| Trading book                               | -                           | 16                  | 1                           | 17                  | -                           | 34                  |
| Total                                      | 4 436                       | 8 569               | 4 673                       | 7 135               | 4 457                       | 8 356               |

|  |                             |                     | 20                          | 15                  |                             |                     |
|--|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|
| (unaudited) (millions of Canadian dollars) | Q4                          | 4                   | Q                           | <u>1</u> 3          | Q                           | 2                   |
| Total exposure covered by:                 | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> | Standardized <sup>(1)</sup> | AIRB <sup>(2)</sup> |
| Retail                                     |                             |                     |                             |                     |                             |                     |
| Residential mortgage                       | 593                         | 5 615               | 948                         | 6 106               | 403                         | 5 822               |
| Qualifying revolving retail                | -                           | -                   | -                           | -                   | -                           | -                   |
| Other retail                               | 2 646                       | 299                 | 2 622                       | 301                 | 2 177                       | 303                 |
|  | 3 239                       | 5 914               | 3 570                       | 6 407               | 2 580                       | 6 125               |
| Non-retail                                 |                             |                     |                             |                     |                             |                     |
| Corporate                                  | 636                         | 2 529               | 1 135                       | 2 448               | 546                         | 2 284               |
| Sovereign                                  | -                           | -                   | -                           | -                   | -                           | -                   |
| Financial Institutions                     | _                           | =                   | -                           | =                   | -                           | -                   |
|  | 636                         | 2 529               | 1 135                       | 2 448               | 546                         | 2 284               |
| Trading book                               | _                           | 19                  | -                           | 9                   | ı                           | 3                   |
| Total                                      | 3 875                       | 8 462               | 4 705                       | 8 864               | 3 126                       | 8 412               |

<sup>(1)</sup> No eligible financial collateral.

<sup>(2)</sup> For exposures under the AIRB approach, eligible financial collateral is taken into account in the Bank's Loss Given Default (LGD) models. Separate disclosure of eligible financial collateral is, therefore, not required.



## **Banking Book Equity**

| (unaudited)                    |           |             |             |            |           | 201         | 6           |            |           |             |             |            |
|--------------------------------|-----------|-------------|-------------|------------|-----------|-------------|-------------|------------|-----------|-------------|-------------|------------|
| (millions of Canadian dollars) |           | Q3          |             |            |           | Q2          |             |            |           | Q1          |             |            |
|                                |           |             |             |            |           |             |             |            |           |             |             |            |
|                                |           |             | On balance  | _          |           |             | On balance  | _          |           |             | On balance  | _          |
|                                |           |             | sheet       | Gross      |           |             | sheet       | Gross      |           |             | sheet       | Gross      |
|                                |           |             | exposures   | unrealized |           |             | exposures   | unrealized |           |             | exposures   | unrealized |
|                                | Total     | Unfunded    | at carrying | gains      | Total     | Unfunded    | at carrying | gains      | Total     | Unfunded    | at carrying | gains      |
|                                | exposures | commitments | value       | (losses)   | exposures | commitments | value       | (losses)   | exposures | commitments | value       | (losses)   |
| Public                         | 283       | ı           | 283         | (25)       | 288       | 1           | 288         | (24)       | 282       | -           | 282         | (56)       |
| Private                        | 341       | 40          | 301         | 62         | 307       | 35          | 272         | 66         | 298       | 35          | 263         | 56         |
|                                | 624       | 40          | 584         | 37         | 595       | 35          | 560         | 42         | 580       | 35          | 545         | _          |

| (unaudited)                    |                    |    |       |  |       | 201 | 5   |  |       |                         |     |  |
|--------------------------------|--------------------|----|-------|--|-------|-----|-----|--|-------|-------------------------|-----|--|
| (millions of Canadian dollars) |                    | Q4 | ļ     |  |       | Q3  | }   |  |       | Q2                      | !   |  |
|                                | Total<br>exposures |    | , , , | Gross<br>unrealized<br>gains<br>(losses) | Total |     | , , | Gross<br>unrealized<br>gains<br>(losses) | Total | Unfunded<br>commitments | , , | Gross<br>unrealized<br>gains<br>(losses) |
| Public                         | 312                | -  | 312   | (20)                                     | 309   | _   | 309 | (10)                                     | 359   | _                       | 359 | 45                                       |
| Private                        | 281                | 35 | 246   | 51                                       | 269   | 34  | 235 | 39                                       | 274   | 30                      | 244 | 21                                       |
|                                | 593                | 35 | 558   | 31                                       | 578   | 34  | 544 | 29                                       | 633   | 30                      | 603 | 66                                       |

## **Credit Derivative Positions** (notional amounts)

|                                  |            |                                |            |                 |            | 20                             | 16         |                 |            |                                |            |                 |
|----------------------------------|------------|--------------------------------|------------|-----------------|------------|--------------------------------|------------|-----------------|------------|--------------------------------|------------|-----------------|
|                                  |            | Q                              | 3          |                 |            | C                              | <b>[</b> 2 |                 |            | Q                              | 1          |                 |
|                                  | (          | redit portfolio <sup>(1)</sup> |            | Trading         | C          | redit portfolio <sup>(1)</sup> |            | Trading         | (          | redit portfolio <sup>(1)</sup> |            | Trading         |
| (unaudited)                      | Protection |                                | Protection |                 | Protection |                                | Protection |                 | Protection |                                | Protection |                 |
| (millions of Canadian dollars)   | purchased  | Protection sold                | purchased  | Protection sold | purchased  | Protection sold                | purchased  | Protection sold | purchased  | Protection sold                | purchased  | Protection sold |
| Credit default swaps             |            |                                |            |                 |            |                                |            |                 |            |                                |            |                 |
| Indices, singles names and other | 59         | 20                             | 1 728      | 1 059           | 88         | 19                             | 1 411      | 677             | 63         | 21                             | 1 319      | 533             |
| Tranches on indices              | -          | -                              | -          | _               | _          | -                              | -          | -               | -          | -                              | _          | -               |
| Total return swaps               | -          | -                              | 239        | _               | _          | -                              | 177        | -               | -          | -                              | 186        | -               |
| Credit options                   | ı          | _                              | 41         | 15              | -          | -                              | 38         | 38              | -          | -                              | 63         | 63              |

|                                  |            |                                |            |                 |            | 20                 | 15         |                 |            |                                 |            |                 |
|----------------------------------|------------|--------------------------------|------------|-----------------|------------|--------------------|------------|-----------------|------------|---------------------------------|------------|-----------------|
|                                  |            | Q                              | 4          |                 |            | C                  | <b>)</b> 3 |                 |            | C                               | 2          |                 |
|                                  | C          | redit portfolio <sup>(1)</sup> |            | Trading         | C          | redit portfolio(1) |            | Trading         | •          | Credit portfolio <sup>(1)</sup> |            | Trading         |
| (unaudited)                      | Protection |                                | Protection |                 | Protection |                    | Protection |                 | Protection |                                 | Protection |                 |
| (millions of Canadian dollars)   | purchased  | Protection sold                | purchased  | Protection sold | purchased  | Protection sold    | purchased  | Protection sold | purchased  | Protection sold                 | purchased  | Protection sold |
| Credit default swaps             |            |                                |            |                 |            |                    |            |                 |            |                                 |            |                 |
| Indices, singles names and other | 59         | 20                             | 991        | 364             | 39         | -                  | 901        | 348             | 36         | -                               | 809        | 316             |
| Tranches on indices              | _          | -                              | -          | 21              | _          | -                  | -          | _               | -          | -                               | -          | -               |
| Total return swaps               | _          | -                              | 157        | -               | -          | -                  | 183        | _               | _          | -                               | 72         | -               |
| Credit options                   | _          | _                              | 26         | 26              | _          | _                  | 13         | _               | _          | _                               | 12         | 12              |

<sup>(1)</sup> Protection sold solely for the purpose of reducing protection purchased.

## **Derivatives Financial Intruments According to Basel Definition**

|                                  |                      |         | 2016    |         |                 | 20      | 15      |         |
|----------------------------------|----------------------|---------|---------|---------|-----------------|---------|---------|---------|
|                                  |                      | Q3      | Q2      | Q1      | Q4              | Q3      | Q2      | Q1      |
| (unaudited) (millions of         | f Canadian dollars)  |         |         |         | Under Basel III |         |         |         |
| Foreign Exchange Rela            | ited Contracts       |         |         |         |                 |         |         |         |
| Swaps                            |                      | 185 738 | 205 355 | 205 049 | 187 833         | 162 669 | 157 410 | 150 030 |
| Options                          | - purchased          | 8 387   | 9 565   | 10 381  | 9 943           | 7 946   | 6 932   | 5 780   |
|                                  | - sold               | 7 861   | 9 439   | 11 660  | 10 507          | 8 441   | 7 299   | 6 663   |
| Exchange traded and O            | TC futures contracts | 62 710  | 28 677  | 30 470  | 24 491          | 25 699  | 21 758  | 22 398  |
| Total notional amount            |                      | 264 696 | 253 036 | 257 560 | 232 774         | 204 755 | 193 399 | 184 871 |
| Replacement cost                 | - gross              | 3 752   | 6 054   | 6 551   | 4 246           | 5 553   | 4 283   | 7 195   |
|                                  | - net <sup>(1)</sup> | 2 366   | 3 154   | 3 962   | 2 715           | 3 045   | 2 145   | 3 037   |
| Future credit risk               |                      | 2 033   | 2 086   | 2 035   | 1 869           | 1 653   | 1 927   | 1 455   |
| Credit equivalent <sup>(2)</sup> | (0)                  | 4 399   | 5 240   | 5 997   | 4 584           | 4 697   | 4 072   | 4 492   |
| Risk-weighted equivale           | ent <sup>(3)</sup>   | 1 291   | 1 375   | 1 810   | 1 337           | 1 390   | 1 174   | 1 407   |
| Interest Rate Related (          | Contracts            |         |         |         |                 |         |         |         |
| Swaps                            |                      | 377 655 | 378 617 | 437 908 | 418 765         | 444 988 | 440 470 | 429 950 |
| Options                          | - purchased          | 9 604   | 13 150  | 19 424  | 8 019           | 42 558  | 61 582  | 54 989  |
|                                  | - sold               | 5 765   | 7 831   | 12 293  | 5 101           | 39 293  | 37 712  | 61 376  |
| Exchange traded and O            | TC futures contracts | 7 840   | 6 480   | 7 506   | 12 142          | 12 315  | 4 819   | 7 093   |
| Total notional amount            |                      | 400 864 | 406 078 | 477 131 | 444 027         | 539 154 | 544 583 | 553 408 |
| Replacement cost                 | - gross              | 7 629   | 5 966   | 7 190   | 5 746           | 6 073   | 5 538   | 7 261   |
|                                  | - net <sup>(1)</sup> | 1 609   | 1 663   | 1 648   | 1 509           | 1 491   | 1 837   | 1 795   |
| Future credit risk               |                      | 1 513   | 1 548   | 1 606   | 1 581           | 1 753   | 1 804   | 1 683   |
| Credit equivalent <sup>(2)</sup> | (3)                  | 3 122   | 3 211   | 3 254   | 3 090           | 3 244   | 3 641   | 3 478   |
| Risk-weighted equivale           | ent <sup>(3)</sup>   | 927     | 911     | 875     | 955             | 981     | 948     | 1 052   |
| Financial Futures                |                      |         |         |         |                 |         |         |         |
| Total notional amount            |                      | 121 080 | 101 956 | 108 307 | 78 345          | 152 997 | 131 541 | 117 475 |
| Equity and Commodity             | Contracts            |         |         |         |                 |         |         |         |
| Total notional amount            |                      | 46 099  | 41 417  | 42 108  | 41 373          | 43 574  | 39 527  | 40 224  |
| Replacement cost                 | - gross              | 2 712   | 2 990   | 3 416   | 2 877           | 3 101   | 2 557   | 3 342   |
|                                  | - net <sup>(1)</sup> | 2 447   | 2 640   | 3 084   | 2 572           | 2 803   | 2 189   | 2 939   |
| Future credit risk               |                      | 1 899   | 1 638   | 1 693   | 1 693           | 3 967   | 3 766   | 3 723   |
| Credit equivalent <sup>(2)</sup> | (3)                  | 4 346   | 4 278   | 4 777   | 4 265           | 6 770   | 5 956   | 6 662   |
| Risk-weighted equivale           | ent <sup>(3)</sup>   | 314     | 515     | 537     | 520             | 1 465   | 1 543   | 1 464   |
| Credit Derivatives               | . (5)                |         |         |         |                 |         |         |         |
| Total notional amount (          |                      | 3 082   | 2 341   | 2 164   | 1 585           | 1 445   | 1 221   | 1 097   |
| Total Return Swap Noti           |                      | 27 900  | 27 064  | 25 101  | 25 122          | 23 497  | 22 149  | 20 896  |
| Replacement cost <sup>(5)</sup>  | - gross              | 101     | 81      | 90      | 92              | 81      | 78      | 65      |
|                                  | - net <sup>(1)</sup> | 27      | 42      | 40      | 37              | 30      | 31      | 40      |
| Future credit risk               |                      | 917     | 1 001   | 929     | 1 020           | 837     | 804     | 358     |
| Credit equivalent <sup>(2)</sup> |                      | 944     | 1 043   | 969     | 1 057           | 867     | 835     | 398     |
| Risk-weighted equivale           | ent <sup>(3)</sup>   | 122     | 88      | 81      | 135             | 71      | 90      | 72      |
| Total Derivatives                |                      |         |         |         |                 |         |         |         |
| Total notional amount            |                      | 863 721 | 831 892 | 912 371 | 823 226         | 965 422 | 932 420 | 917 971 |
| Replacement cost                 | - gross              | 14 194  | 15 091  | 17 247  | 12 961          | 14 808  | 12 456  | 17 863  |
| <b>1</b> '                       | - net <sup>(1)</sup> | 6 449   | 7 499   | 8 734   | 6 833           | 7 369   | 6 202   | 7 811   |
| Future credit risk               |                      | 6 362   | 6 273   | 6 263   | 6 163           | 8 210   | 8 301   | 7 219   |
| Credit equivalent <sup>(2)</sup> |                      | 12 811  | 13 772  | 14 997  | 12 996          | 15 578  | 14 504  | 15 030  |
| Risk-weighted equivale           | ent <sup>(3)</sup>   | 2 654   | 2 889   | 3 303   | 2 947           | 3 907   | 3 755   | 3 995   |
| on weighted equivate             |                      | 2 034   | 2 089   | 3 303   | 2 947           | 3 907   | 2 / 33  | 2 995   |

<sup>(1)</sup> Net replacement cost is gross positive replacement cost with consideration of master netting agreements without consideration of collateral.

<sup>(2)</sup> Includes the impact of master netting agreements but excludes collateral.

<sup>(3)</sup> Risk weighted amounts reported are net of impact of collaterals and master netting agreemnts.

<sup>(4)</sup> Securitised exposure recognized for capital ratio but not for consolidated balance sheet purposes due to IFRS standards.

<sup>(5)</sup> Trading Credit Derivatives only.

# Over The Counter Derivatives Financial Instruments Settled by Central Counterparties (1)

|  |                 |                |                |                 | 2016           |                |                 |                |                |
|--|-----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|
|  |                 | Q3             |                |                 | Q2             |                |                 | Q1             |                |
|  |                 |                | OTC-Traded     |                 |                | OTC-Traded     |                 |                | OTC-Traded     |
|  |                 |                |                |                 |                |                | Ï               |                |                |
|  |                 | Settled by     | Not settled by |                 | Settled by     | Not settled by |                 | Settled by     | Not settled by |
| (unaudited)  | Exchange-traded | central        | central        | Exchange-traded | central        | central        | Exchange-traded | central        | central        |
| (millions of Canadian dollars)                                   | contracts       | counterparties | counterparties | contracts       | counterparties | counterparties | contracts       | counterparties | counterparties |
| Interest rate contracts  | 129 581         | 265 437        | 126 926        | 115 717         | 267 983        | 124 333        | 132 266         | 318 318        | 134 854        |
| Foreign exchange contracts                                       | 160             | -              | 264 536        | 129             | _              | 252 907        | 179             | -              | 257 381        |
| Equity, commodity and credit derivative contracts <sup>(2)</sup> | 17 778          | 2 792          | 56 511         | 13 263          | 1 880          | 55 679         | 14 122          | 1 513          | 53 738         |

|  |                 |                |                |                 | 2015           |                |                 |                |                |
|--|-----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|
|  |                 | Q4             |                |                 | Q3             |                |                 | Q2             |                |
|  |                 |                | OTC-Traded     |                 |                | OTC-Traded     |                 |                | OTC-Traded     |
|  |                 |                |                |                 |                |                |                 |                |                |
|  |                 | Settled by     | Not settled by |                 | Settled by     | Not settled by |                 | Settled by     | Not settled by |
| (unaudited)  | Exchange-traded | central        | central        | Exchange-traded | central        | central        | Exchange-traded | central        | central        |
| (millions of Canadian dollars)                                   | contracts       | counterparties | counterparties | contracts       | counterparties | counterparties | contracts       | counterparties | counterparties |
| Interest rate contracts  | 80 417          | 295 829        | 146 126        | 225 609         | 317 422        | 149 120        | 221 512         | 303 423        | 151 189        |
| Foreign exchange contracts                                       | 220             | _              | 232 554        | 198             | -              | 204 557        | 200             | -              | 193 199        |
| Equity, commodity and credit derivative contracts <sup>(2)</sup> | 12 936          | 1 319          | 53 825         | 14 848          | 1 065          | 52 603         | 11 180          | 1 003          | 50 714         |

<sup>(1)</sup> Notional amounts.

<sup>(2)</sup> Credit derivative contracts in non-trading book are excluded.

### **Aggregate Amount of Securitization Exposures**

|   |           |                   |               |               | 2016             |               |           |                |            |           |                  |               |           |                  | 20            | 15            |                |               |           |                   |         |
|---|-----------|-------------------|---------------|---------------|------------------|---------------|-----------|----------------|------------|-----------|------------------|---------------|-----------|------------------|---------------|---------------|----------------|---------------|-----------|-------------------|---------|
|   |           | Q3                |               |               | Q2               |               |           | Q1             |            |           | Q4               |               |           | Q3               |               |               | Q2             |               |           | Q1                |         |
|   |           |                   | Trading       |               |                  | Trading       |           |                | Trading    |           |                  | Trading       | _         |                  | Trading       | _             |                | Trading       | _         |                   | Trading |
| (unaudited) (millions of Canadian dollars)                                    | Bar<br>On | nking Book<br>Off | book<br>On    | Bar<br>On     | king Book<br>Off | book          | Ban<br>On | king Book      | book<br>On | Ban<br>On | king Book<br>Off | book          | Ban<br>On | king Book<br>Off |               | Bai<br>On     | nking Book     |               | Bai<br>On | nking Book<br>Off |         |
|   | balance   | οπ<br>balance     | on<br>balance | on<br>balance | balance          | On<br>balance | balance   | Off<br>balance | balance    | balance   | balance          | On<br>balance | balance   | balance          | On<br>balance | on<br>balance | Off<br>balance | On<br>balance | balance   |                   |         |
| Bank's own assets   | sheet     | sheet             | sheet         | sheet         | sheet            | sheet         | sheet     | sheet          |            | sheet     | sheet            | sheet         | sheet     | sheet            | sheet         | sheet         |                |               | sheet     |                   |         |
| Traditional exposures   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Insured Mortgage loans  |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Retained <sup>(1)</sup>   | 3 748     | -                 | -             | 4 341         | -                | -             | 3 420     | -              | _          | 2 584     | -                | -             | 1 989     | _                | -             | 1 841         | -              | -             | 1 976     | -                 | -       |
| Credit Cards  |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Retained <sup>(1)</sup>   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Seller's interest   | 209       | 419               | -             | 193           | 391              | -             | 164       | 340            | -          | 206       | 404              | -             | 156       | 312              | -             | 193           | 385            | -             | 192       | 359               | -       |
| Purchased <sup>(2)</sup>  | 89        | _                 | _             | 89            | _                | _             | 89        | _              | _          | 89        | _                | _             | 80        | _                | _             | 86            | _              | _             | 85        | _                 | _       |
| Total - Bank's own assets   | 4 046     | 419               | -             | 4 623         | 391              | -             | 3 673     | 340            | -          | 2 879     | 404              | -             | 2 225     | 312              | -             | 2 120         | 385            | -             | 2 253     | 359               | _       |
| Third party assets  |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Sponsored   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Traditional exposures <sup>(3)</sup>  |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Residential Mortgages - Insured   | -         | 1 790             | 1             | -             | 1 440            | 19            | -         | 1 204          | 7          | -         | 1 368            | 14            | -         | 1 360            | 27            | -             | 1 237          | 27            | -         | 1 405             | 21      |
| Residential Mortgages - conventional  | -         | 734               | -             | -             | 562              | 7             | -         | 483            | 3          | -         | 480              | 5             | -         | 354              | 7             | -             | 276            | 6             | -         | 244               | 4       |
| Fleet Lease Receivables   | -         | 261               | -             | -             | 259              | 3             | -         | 263            | 1          | -         | 242              | 2             | -         | 242              | 5             | -             | 242            | 5             | -         | 99                | 1       |
| Auto Floorplans   | -         | -                 | -             | -             | -                | - 2           | -         | -              | _          | -         | -                | -             | -         | -                |               | _             | -              | _             | _         | -                 |         |
| Auto Loans  | _         | 137               | -             | -             | 136              | 2             | -         | 141            | 1          | _         | 144              | 1             | -         | 207              | 4             | -             | 233            | 5             | -         | 264               | 4       |
| Purchased   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Traditional exposures   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| Insured Mortgage loans - MBS  | 4 536     | -                 | 1 207         | 4 715         | -                | 1 388         | 5 240     | -              | 1 390      | 4 878     | -                | 1 356         | 4 500     | -                | 1 153         | 4 446         | -              | 1 038         | 3 971     | -                 | 834     |
| Credit Cards - ABS  | 89        | -                 | 36            | 89            | -                | 49            | 89        | -              | 68         | 89        | -                | 49            | 86        | -                | 107           | 86            | -              | 81            | -         | -                 | 78      |
| Home Equity - ABS   | -         | -                 | -             | -             | -                | -             | -         | -              | -          | -         | -                | -             | -         | -                | -             | -             | -              | -             | -         | -                 | -       |
| Commercial mortgage back securities (CMBS)                                    | 13        | -                 | -             | 13            | -                | -             | 13        | -              | -          | 13        | -                | -             | 14        | -                | -             | 61            | -              | 3             | 61        | -                 | 3       |
| Collateralized debt obligation (CDO)  | -         | -                 | -             | -             | -                | -             | -         | -              | -          | -         | -                | -             | -         | -                | -             | -             | -              | -             | -         | -                 | -       |
| Collateralized mortgage obligation (CMO)                                      | _         | -                 | -             | -             | -                | -             | -         | -              | -          | _         | -                | -             | -         | _                | -             | _             | _              | _             | -         | _                 | _       |
| Synthetic exposures   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| CDX tranches  | -         | -                 | -             | -             | -                | -             | -         | -              | -          | -         | -                | -             | -         | -                | -             | -             | -              | -             | -         | -                 | 1       |
| Resecuritized exposures   |           |                   |               |               |                  |               |           |                |            |           |                  |               |           |                  |               |               |                |               |           |                   |         |
| ·   |           |                   |               | -,-           |                  |               |           |                |            |           |                  |               |           |                  |               | 4.05-         |                |               | 4051      | 05-               |         |
| Master Asset Vehicules <sup>(4)</sup><br>Commercial paper not included in the | 543       | -                 | -             | 543           | -                | -             | 545       | -              | -          | 545       | -                | -             | 531       | -                | -             | 1 028         | 821            | _             | 1 056     | 825               | _       |
| Pan-Canadian restructuring plan   | 92        | _                 | _             | 91            | _                | _ [           | 102       | _              | _          | 102       | _                | _             | 105       | _                | _             | 103           | _              | _             | 101       | _                 | _       |
| Collateralized mortgage obligation (CMO)                                      | -         | _                 | _             | -             | _ [              | _ [           |           | _              | _          | - 102     | _                | _             | - 105     |                  | [             | -             |                | _             | -         | _                 | ] _     |
| Total - Third party assets  | 5 273     | 2 922             | 1 244         | 5 451         | 2 397            | 1 468         | 5 989     | 2 091          | 1 470      | 5 627     | 2 234            | 1 427         | 5 236     | 2 163            | 1 303         | 5 724         | 2 809          | 1 165         | 5 189     | 2 837             | 946     |
| Total - Bank  | 9 319     | 3 341             | 1 244         | 10 074        | 2 788            | 1 468         | 9 662     | 2 431          | 1 470      | 8 506     | 2 638            | 1 427         | 7 461     | 2 475            | 1 303         | 7 844         | 3 194          | 1 165         | 7 442     | 3 196             |         |

<sup>(1)</sup> The Retained exposures for insured mortgage loans and credit card receivables are treated under the AIRB Framework as if they remained on the Bank's balance sheet.

<sup>(2)</sup> The credit card receivable purchased held from Bank's own assets securitization represent the Bank's interest in investment grade subordinated notes issued.

<sup>(3)</sup> Sponsored Traditional exposures comprise Bank's committed amount to the Fusion Trust and Clarity Trust liquidity facility lines as well as the Bank's purchased note of Fusion Trust and Clarity Trust.

<sup>(4)</sup> Resecuritized exposures comprise the carrying value of the restructured notes held by the Bank and the Bank's committed amount to the margin funding facility related to the MAV.

### **Capital Requirements for Securitization Exposures Under Securitization Framework**

|  |              |             |              |              |              |             |              |              | 20           | 16           |              |              |              |             |              |              |              |              |
|--|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
|  |              |             | Q3           | 3            |              |             |              |              | Q            | 2            |              |              |              |             | Q            | 1            |              |              |
|  |              |             |              | anking Book  |              | rading book |              |              |              | anking Book  |              | rading book  |              |             |              | anking Book  |              | rading book  |
| (unaudited) (millions of Canadian dollars) | On ba        | lance sheet | Off ba       | alance sheet | On ba        | lance sheet | On b         | alance sheet | Off b        | alance sheet | On b         | alance sheet | On ba        | lance sheet | Off b        | alance sheet | On b         | alance sheet |
|  | RBA/Inferred |             | RBA/Inferred |              | RBA/Inferred |             | RBA/Inferred |              | RBA/Inferred |              | RBA/Inferred |              | RBA/Inferred |             | RBA/Inferred |              | RBA/Inferred | <br>         |
|  | Ratings      | Risk-       | Ratings      | Risk-        | Ratings      | Risk-       | Ratings      | Risk-        |              | Risk-        |              | Risk-        | Ratings      | Risk-       |              | Risk-        |              | Risk-        |
| P (1)                                      | Exposure     | Weighted    | Exposure     | Weighted     | Exposure     | Weighted    | Exposure     | Weighted     | Exposure     | Weighted     | Exposure     | Weighted     | Exposure     | Weighted    | Exposure     | Weighted     | Exposure     | Weighted     |
| Bank's own assets <sup>(1)</sup>           | Amount       | Assets      | Amount       | Assets       | Amount       | Assets      | Amount       | Assets       | Amount       | Assets       | Amount       | Assets       | Amount       | Assets      | Amount       | Assets       | Amount       | Assets       |
| Credit Cards                               |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | I            |
| Seller's interest exposure <sup>(2)</sup>  | 209          | 131         | 419          | 58           | -            | -           | 193          | 123          | 391          | 56           | -            | -            | 164          | 109         | 340          | 49           | -1           | '            |
| Purchased                                  | 89           | 41          | -            | _            | -            | _           | 89           | 41           | -            | -            | -            | _            | 89           | 41          | -            | -            |              |              |
| Total - Bank's own assets                  | 298          | 172         | 419          | 58           | -            | -           | 282          | 164          | 391          | 56           | -            | -            | 253          | 150         | 340          | 49           | -            |              |
| Third party assets                         |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | I            |
| Securitized                                |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | I            |
| 7% - 30%                                   | 59           | 11          | 2 922        | 171          | 36           | 25          | 59           | 11           | 2 397        | 165          | 49           | 34           | 60           | 11          | 2 091        | 156          | 68           | 47           |
| 35% - 100%                                 | 43           | 32          | -            | -            | -            | -           | 43           | 32           | -            | -            | -            | _            | 43           | 32          | -            | -            | - '          | - '          |
| 150% - 850%                                | -            | _           | -            | -            | -            | -           | -            | -            | -            | -            | -            | -            | -            | -           | -            | -            | -            | - '          |
| 1250 %                                     |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | I            |
| Home Equity - ABS                          | -            | _           | -            | -            | -            | -           | -            | -            | -            | -            | -            | -            | -            | -           | -            | -            | -            | - '          |
| Collateralized mortgage obligation (CMO)   | -            | _           | -            | -            | -            | -           | -            | -            | -            | -            | -            | _            | -            | -           | -            | -            | - '          | - '          |
| Others                                     | -            | _           | -            | -            | -            | -           | -            | -            | _            | -            | -            | -            | -            | -           | -            | -            | '            | _ '          |
| Resecuritized                              |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | <br>         |
| 7% - 30%                                   | -            | _           | -            | -            | -            | -           | -            | -            | _            | -            | -            | -            | -            | -           | -            | -            | '            | _ '          |
| 35% - 100%                                 | 515          | 216         | -            | -            | -            | -           | 516          | 217          | -            | -            | -            | -            | 529          | 238         | -            | -            | -            | - '          |
| 150% - 850%                                | 116          | 309         | -            | -            | -            | -           | 114          | 307          | _            | -            | -            | -            | 113          | 303         | -            | -            | '            | _ '          |
| 1250 %                                     |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | <br>         |
| Master Asset Vehicules                     | 4            | 46          | -            | -            | -            | -           | 4            | 49           | _            | -            | -            | -            | 4            | 55          | -            | -            | '            | _ '          |
| Commercial paper not included in the       |              |             |              |              |              |             |              |              |              |              |              |              |              |             |              |              |              | I            |
| Pan-Canadian restructuring plan            | -            | _           | -            | -            | -            | -           | -            | -            | -            | -            | -            | -            | -            | -           | -            | -            | - '          | _ '          |
| Collateralized mortgage obligation (CMO)   | -            | -           | -            | -            | -            | -           | -            | -            | -            | -            | -            | -            | -            | -           | -            | -            | -            | _!           |
| Total - Third party assets                 | 737          | 614         | 2 922        | 171          | 36           | 25          | 736          | 616          | 2 397        | 165          | 49           | 34           | 749          | 639         | 2 091        | 156          | 68           | 47           |
| Total                                      | 1 035        | 786         | 3 341        | 229          | 36           | 25          | 1 018        | 780          | 2 788        | 221          | 49           | 34           | 1 002        | 789         | 2 431        | 205          | 68           | 47           |

|   |   |                             |          |                             |          |                             |   |                             | 201                                       |                             |          |                             |   |                   |   |                             |          |                        |
|---|---|-----------------------------|----------|-----------------------------|----------|-----------------------------|---|-----------------------------|---|-----------------------------|----------|-----------------------------|---|-------------------|---|-----------------------------|----------|------------------------|
|   |   |                             | Q4       |                             | T.       |                             |   |                             | Q2  |                             | 1        |                             |   |                   | Q:  |                             | -        |                        |
|   |   |                             |          | nking Book                  |          | rading book                 |   |                             |   | anking Book                 |          | Trading book                |   |                   |   | anking Book                 |          | Trading boo            |
| (unaudited) (millions of Canadian dollars)                              |   | lance sheet                 |          | lance sheet                 |          | alance sheet                |   | alance sheet                |   | lance sheet                 |          | alance sheet                |   | alance sheet      |   | alance sheet                |          | alance she             |
| Bank's own assets <sup>(1)</sup>  | RBA/Inferred<br>Ratings<br>Exposure<br>Amount | Risk-<br>Weighted<br>Assets | Exposure | Risk-<br>Weighted<br>Assets | Exposure | Risk-<br>Weighted<br>Assets | RBA/Inferred<br>Ratings<br>Exposure<br>Amount | Risk-<br>Weighted<br>Assets | Inferred<br>Ratings<br>Exposure<br>Amount | Risk-<br>Weighted<br>Assets | Exposure | Risk-<br>Weighted<br>Assets | RBA/Inferred<br>Ratings<br>Exposure<br>Amount | Risk-<br>Weighted | Inferred<br>Ratings<br>Exposure<br>Amount | Risk-<br>Weighted<br>Assets | Exposure | Ris<br>Weighte<br>Asse |
| Credit Cards  |   |                             |          |                             |          |                             |   |                             |   |                             |          |                             |   |                   |   |                             |          |                        |
| Seller's interest exposure <sup>(2)</sup>                               | 206   | 133                         | 404      | 60                          | -        | -                           | 156   | 100                         | 312                                       | 46                          | -        | -                           | 193   | 126               | 385                                       | 57                          | -        |                        |
| Purchased   | 89  | 41                          | -        | _                           | -        | -                           | 86  | 38                          | -   | _                           | _        | -                           | 86  | 38                | -   | -                           | _        |                        |
| Total - Bank's own assets   | 295   | 174                         | 404      | 60                          | -        | -                           | 242   | 138                         | 312                                       | 46                          | -        | -                           | 279   | 164               | 385                                       | 57                          | -        |                        |
| Third party assets Securitized  |   |                             |          |                             |          |                             |   |                             |   |                             |          |                             |   |                   |   |                             |          |                        |
| 7% - 30%  | 60  | 11                          | 2 234    | 158                         | 49       | 29                          | 61  | 11                          | 2 163                                     | 151                         | 107      | 66                          | 109   | 15                | 1 989                                     | 141                         | 81       | 15                     |
| 35% - 100%  | 43  | 32                          | -        | -                           | -        | -                           | 39  | 29                          | -   | -                           | -        | -                           | 38  | 28                | -   | -                           | -        |                        |
| 150% - 850%<br>1250 %   | -   | -                           | -        | -                           | -        | -                           | -   | -                           | -   | -                           | -        | -                           | -   | -                 | -   | -                           | -        |                        |
| Home Equity - ABS Collateralized mortgage obligation (CMO)              | -   | -                           | -        | -                           | -        | -                           | -   | -                           | -   | -                           | -        | -                           | -   | _                 | -   | -                           | 3 -      | 4                      |
| Others<br>Resecuritized   | -   | -                           | -        | -                           | -        | -                           | -   | -                           | -   | -                           | -        | -                           | -   | -                 | -   | -                           | -        |                        |
| 7% - 30%  | _   | _                           | -        | -                           | -        | -                           | _   | _                           | -   | -                           | -        | -                           | -   | _                 | _   | _                           | -        |                        |
| 35% - 100%<br>150% - 850%   | 529<br>112                                    | 238<br>300                  | _        | -                           |          | -                           | 501<br>104                                    | 226<br>274                  | -   | -                           |          | -                           | 1 010<br>84                                   | 430<br>178        | 820<br>-                                  | 328                         |          |                        |
| 1250 %<br>Master Asset Vehicules  | 5   | 59                          | _        | -                           | _        | -                           | 5   | 64                          | _   | _                           | _        | -                           | 37  | 462               | _   | -                           | _        |                        |
| Commercial paper not included in the<br>Pan-Canadian restructuring plan | _   | -                           | _        | -                           | -        | -                           | _   | -                           | -   | -                           | _        | -                           | _   | -                 | -   | -                           | _        |                        |
| Collateralized mortgage obligation (CMO)                                | -   | -                           | -        | -                           | _        | -                           | _   | -                           | -   | -                           | -        | _                           | -   | _                 | _   | -                           | _        |                        |
| Total - Third party assets  | 749   | 640                         |          | 158                         | 49       | 29                          |   | 604                         | 2 163                                     | 151                         |          | 66                          | 1 278   | 1 113             | 2 809                                     | 469                         |          | 19                     |
| Total   | 1 044   | 814                         | 2 638    | 218                         | 49       | 29                          | 952   | 742                         | 2 475                                     | 197                         | 107      | 66                          | 1 557   | 1 277             | 3 194                                     | 526                         | 84       | 19                     |

<sup>(1)</sup> Since inception, no capital has been assessed for the Bank's early amortization provisions associated with the securitized credit cards portfolio because the excess spread of the underlying portfolio has remained above the threshold for which capital charge would be incurred.

<sup>(2)</sup> Seller's interest exposure are treated under AIRB Approach.

## **Asset Securitization - Managed Loans**

|   |                                     |  |                       |   |   |             |  | 201                   | 6     |   |             |  |                       |   |   |
|---|-------------------------------------|--|-----------------------|---|---|-------------|--|-----------------------|-------|---|-------------|--|-----------------------|---|---|
|   |                                     |  | Q3                    |   |   |             |  | Q2                    |       |   |             |  | Q1                    |   |   |
| (unaudited)<br>(millions of Canadian dollars) | Total gross<br>loans <sup>(1)</sup> | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs | Securitization<br>activities for the<br>quarter ended | Exposure<br>amount<br>intended to be<br>securitized | Total gross | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs |       | Exposure<br>amount<br>intended to be<br>securitized | Total gross | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs | Securitization<br>activities for the<br>quarter ended | Exposure<br>amount<br>intended to be<br>securitized |
| Banking Book                                  |                                     |  |                       |   |   |             |  |                       |       |   |             |  |                       |   |   |
| Insured mortgage loans                        | 17 123                              | -  | -                     | 1 134   | -   | 17 903      | _  | -                     | 2 623 | _   | 16 535      | _  | -                     | 1 650   | -   |
| Credit card receivables                       | 1 389                               | 8  | 12                    |   | -   | 1 389       | 9  | 14                    | -     | _   | 1 389       | 8  | 13                    | _   | _   |
| Total   | 18 512                              | 8  | 12                    | 1 134   | _   | 19 292      | 9  | 14                    | 2 623 | -   | 17 924      | 8  | 13                    | 1 650   | _   |
| Trading Book Insured mortgage loans           | 4 324                               | 1  | _                     | 513   | 1 045   | 4 051       | -  | _                     | 360   | 570   | 3 814       | _  | _                     | 359   | 407   |

|   |                                     |  |                       |   |   |             |  | 201                   | 5   |   |             |  |                       |   |   |
|---|-------------------------------------|--|-----------------------|---|---|-------------|--|-----------------------|---|---|-------------|--|-----------------------|---|---|
|   |                                     |  | Q4                    |   |   |             |  | Q3                    |   |   |             |  | Q2                    |   |   |
| (unaudited)<br>(millions of Canadian dollars) | Total gross<br>loans <sup>(1)</sup> | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs | Securitization<br>activities for the<br>quarter ended | Exposure<br>amount<br>intended to be<br>securitized | Total gross | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs | Securitization<br>activities for the<br>quarter ended | Exposure<br>amount<br>intended to be<br>securitized | Total gross | Gross impaired<br>loans and other<br>past due loans <sup>(2)</sup> | Net<br>write-<br>offs | Securitization<br>activities for the<br>quarter ended | Exposure<br>amount<br>intended to be<br>securitized |
| Banking Book                                  |                                     |  |                       |   |   |             |  |                       |   |   |             |  |                       |   |   |
| Insured mortgage loans                        | 16 151                              | -  | -                     | 2 022   | -   | 15 467      | _  | -                     | 1 733   | -   | 15 527      | -  | -                     | 1 351   | -   |
| Credit card receivables                       | 1 389                               | 8  | 13                    | 461   | _   | 1 355       | 8  | 13                    | 530   | _   | 1 411       | 9  | 15                    | 398   | _   |
| Total   | 17 540                              | 8  | 13                    | 2 483   | -   | 16 822      | 8  | 13                    | 2 263   | _   | 16 938      | 9  | 15                    | 1 749   | _   |
| Trading Book Insured mortgage loans           | 3 562                               | -  | -                     | 845   | 684   | 3 038       | -  | _                     | 279   | 810   | 2 815       | _  | 1                     | 185   | 318   |

<sup>(1)</sup> Notional amount.

<sup>(2)</sup> Comprises impaired loans and fully secured loans that are 90 days or more past due and for which, in the opinion of management, there is reasonable assurance that principal and interest will ultimately be collected. Credit card receivables are not classified as impaired loans but, instead, are written off when payments are 180 days in arrears.



# Glossary

| Advanced Internal Ratings-Based (AIRB) approach | See risk-weighted assets below.  |
|---|--|
| Banking Book Equities                           | Banking book equities comprise mainly exposures held for strategic and other reasons.  |
| Capital Ratio                                   | The Bank's capital divided by risk-weighted assets. The Bank's capital can be either CET1 Capital, Tier 1 capital or Total capital, producing three different capital ratios.  |
| Common Equity Tier 1 (CET1) capital             | Common Equity Tier 1 capital consists of common shareholders' equity less goodwill, intangible assets and other capital deductions. Common Equity Tier 1 capital ratio is calculated by dividing Common Equity Tier 1 capital by risk-weighted assets.   |
| Corporate                                       | All direct credit risk exposures to corporations, partnerships and proprietorships, exposures guaranteed by those entities.  |
| Credit Risk                                     | Credit risk is the risk of a financial loss if an obligor does not fully honour its contractual commitments to the Bank. Obligors may be borrowers, issuers, counterparties or guarantors. Credit risk is the most significant risk facing the Bank in the normal course of business. The Bank is exposed to credit risk not only through its direct lending activities and transactions but also through commitments to extend credit, letters of guarantee, letters of credit, over-the-counter derivatives trading, available-for-sale debt securities, securities purchased under reverse repurchase agreements, deposits with financial institutions, brokerage activities and transactions carrying a settlement risk for the Bank such as irrevocable fund transfers to third parties via electronic payment systems. |
| Drawn exposure                                  | The amount of credit risk exposure resulting from loans already advanced to the customer.  |
| Exposure at default (EAD)                       | An estimate of the amount of exposure to a customer at the event of, and at the time of, default.  |
| Financial institutions                          | All direct credit risk exposures to deposit-taking institutions and regulated securities firms, and exposures guaranteed by those entities.  |
| Leverage ratio                                  | The leverage ratio is calculated by dividing the amount of Tier 1 capital by the total exposure. Total exposure is defined as the sum of on-balance-sheet assets (including derivative exposures and securities financing transaction exposures) and off-balance-sheet items. Assets deducted from Tier 1 capital are also deducted from the total exposure.   |
| Loss given default (LGD)                        | An estimate of the amount of exposure to a customer that will not be recovered following a default by that customer, expressed as a percentage of the exposure at default.   |
| Market risk                                     | Market risk is the risk of financial loss resulting from adverse movements in underlying market factors. Market risk at the Bank arises from its participation in market-making, trading, investment and asset/liability management activities.  |
| Operational risk                                | Operational risk is the risk of loss resulting from an inadequacy or a failure ascribable to people, processes, technology or external events. Operational risks are present in every activity of the Bank. Theft, fraud, unauthorized transactions, system errors, human error, amendments to or misinterpretation of acts and regulations, litigation or disputes with clients or property damage are just a few examples of events likely to cause financial loss, harm the Bank's reputation or result in regulatory penalties or sanctions.   |
| Other off-balance sheet                         | Letters of guarantee, documentary letters of credit and securitized assets that represent the Bank's commitment to make payments in the event that a client cannot meet its financial obligations to third parties.  |
| Other retail                                    | This exposure class includes consumer loans, SME credit card receivables, SME loans (excluding mortgages of five units or more), and other personal loans.   |
| Over-the-counter derivatives (OTC)              | The amount of credit risk exposure resulting from derivatives that trade directly between two counterparties, rather than through exchanges.   |
| Probability of default (PD)                     | An estimate of the likelihood of default for any particular customer which occurs when that customer is not able to repay its obligations as they become contractually due.  |
| Qualifying revolving retail (QRR)               | This exposure class includes lines of credit and credit card receivables.  |
| Repo-style transactions                         | Financial obligations related to securities sold (repos) or repurchased (reverse repos) pursuant to an agreement under which the securities will be repurchased (repos) or resold (reverse repos) on a specified date and at a specified price. Such an agreement is a form of short-term funding (repos) or collateralized lending (reverse repos). Repo-style transactions also include loaned and borrowed securities that are off-balance sheet.   |
| Retail Residential Mortgage                     | This exposure class includes loans to individuals against residential property (four units or less) and lines of credit secured by equity in residential property (HELOC).   |
| Risk-weighted assets (RWA)                      | Assets are risk weighted according to the guidelines established by the Office of the Superintendent of Financial Institutions. In the standardized calculation approach, factors are applied to the face value of certain assets in order to reflect comparable risk levels. In the advanced approach, risk-weighted assets are derived from the Bank's internal models which represents the Bank's own assessment of the risks it incurs. Off-balance sheet instruments are converted to balance sheet (or credit) equivalents by adjusting the notional values before applying the appropriate risk-weighting factors.  |
| Scaling Factor                                  | An add-on of 6% is applied as a calibration adjustment to the risk weighted assets amount for credit risk assessed under the AIRB approach.  |
| Sovereign                                       | All direct credit risk exposures to governments, central banks and certain public sector entities, and exposures guaranteed by those entities.   |
| Standardized approach                           | See risk-weighted assets.  |
| Tier 1 capital                                  | Tier 1 capital ratio consists of Common Equity Tier 1 capital and Additional Tier 1 instruments, namely, eligible non-cumulative preferred shares and the eligible amount of innovative instruments. Tier 1 capital ratio is calculated by dividing Tier 1 capital by risk-weighted assets.  |
| Tier 2 capital                                  | Tier 2 capital is mainly comprised of subordinated debentures and the collective allowance.  |
| Total capital                                   | Total capital is the sum of Tier 1 and Tier 2 capital. Total capital ratio is calculated by dividing total capital, less adjustments or regulatory deductions, by risk-weighted assets.  |
| Undrawn commitments                             | The amount of credit risk exposure resulting from loans that have not been advanced to a customer, but which a customer may be entitled to draw in the future.   |