



Duo Bank of Canada

**Basel III Pillar 3 Disclosures**

As at June 30, 2019

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## **DOCUMENT OVERVIEW**

This document represents the Pillar 3 disclosures for Duo Bank of Canada (the "Bank") as at June 30, 2019 pursuant to OSFI's Pillar 3 Disclosure Requirements. This report is unaudited and is reported in thousands of Canadian Dollars, unless otherwise disclosed.

## **REPORTING ENTITY**

The Bank is domiciled in Canada and was incorporated as a Schedule I Canadian chartered bank under the Bank Act on July 24, 2009. The address of the Bank's registered office is 7295 West Credit Ave, Mississauga, Ontario, L5N 5N1. Effective April 1, 2019, the Bank is a wholly owned subsidiary of Duo Financial Corporation (the "Parent"). The Bank received orders to commence and carry on business on June 1, 2010. The Bank launched a Rewards MasterCard in June 2010. The Bank is not considered a Domestically Systematically Important Bank (DSIB) by OSFI.

## **FINANCIAL RISK MANAGEMENT**

The Bank is exposed to credit risk, interest rate risk, and liquidity risk arising from its operations and use of financial instruments. The Bank does not have any trading book portfolios, and as such, has low exposure overall to market risk.

### ***Risk management framework***

The Board of Directors (the "Board") has oversight responsibility for the Bank's risk management framework. The Bank has established the Asset and Liability Committee ("ALCO"), Credit Risk Committee ("CRC") and Senior Management Committee. These committees are responsible for developing and monitoring the Bank's risk management policies in their specific management areas and report to the Board regularly. The Conduct Review Committee and Audit Committee are additional Board committees that report to the Board.

The Bank's Board and Management establish risk management policies to identify and define the risks faced by the Bank, sets out appropriate risk limits and controls, and establish processes to ensure adherence to these limits.

### ***Credit risk***

Credit risk is the risk of financial loss to the Bank if a customer or counterparty to a financial instrument fails to meet its contractual obligations. Credit risk for the Bank arises principally from the Bank's credit card loans to customers.

The Board is responsible for the oversight of credit risk management. The CRC, under the oversight of the Board, monitors and approves the credit risk

management program. The CRC supports the Chief Risk Officer and the credit department in the following:

Development and implementation of sound and prudent policies and procedures to effectively manage and control credit risk. Policies include credit assessment criteria, risk grading and reporting, documentation and compliance for legal, regulatory or statutory requirements.

Development and implementation of effective credit granting, account management and collection processes. Processes include approval authority management, diversification of credit limits, credit risk assessment, credit application evaluation, fraud identification and management, and write-offs.

Development and implementation of comprehensive procedures to effectively monitor and control the nature, characteristics, and quality of the credit portfolio. This includes reporting, portfolio characteristic monitoring, concentration reviews, risk grading monitoring, and credit review processes.

Detailed disclosures pertaining to Credit Risk are located in Appendix B.

### ***Market risk***

As mentioned above, the Bank does not have any trading book portfolios, and as such, has low exposure overall to market risk.

### ***Equity risk***

The Bank has no equity risk since it does not hold any equity portfolios.

### ***Interest Rate Risk***

The Bank is exposed to interest rate risk through its mismatch of credit card loans repricing versus its variable interest rate securitized facility. ALCO monitors this mismatch, as well as interest rate movements in Canada, and reports to the Board.

The management of interest rate risk against interest rate gap limits is supplemented by monitoring the sensitivity of the Bank's financial assets and financial liabilities to rate shift scenarios.

Detailed disclosures pertaining to Interest Rate Risk are located in Appendix C.

### ***Liquidity risk***

Liquidity risk is the risk that the Bank will not be able to meet commitments and obligations when due or may incur significant costs in meeting obligations. The

Bank manages its exposure to short-term and long-term liquidity by ensuring that adequate governance, policies, and procedures are in place to manage cash on a daily, weekly, and monthly basis. Long-range planning and forecasting tools are used to monitor long-term funding needs. The ALCO monitors both short-term and long-term needs. A liquidity contingency plan is also in place to ensure funding needs are met during a crisis.

### ***Operational risk***

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people and systems or from external events. It excludes strategic and reputation risk. The Bank manages its exposure to operational risk through the implementation of assessment methods, including operational risk self-assessments and loss tracking. The Bank uses the basic indicator approach to measure operational risk.

## **CAPITAL MANAGEMENT**

The Bank's policy is to maintain a strong capital risk management program to ensure adequate capital to sustain future development of the business and to exceed external regulatory requirements. The impact of the level of capital on the shareholders' returns is also monitored and the Bank recognizes the need to maintain a balance between the higher returns that might be possible and the security afforded by a sound capital position.

The Bank is authorized to issue an unlimited number of preferred shares, without nominal or par value, for unlimited consideration. These have preference over common shares. There were no preferred shares outstanding at June 30, 2019.

The Bank is authorized to issue an unlimited number of its common shares, without nominal or par value, for unlimited consideration. As at June 30, 2019, the Bank had 224,500,000 common shares issued and outstanding.

### ***Regulatory Capital Position***

The Bank calculates its regulatory capital based on the following methodologies: The Bank manages its credit risk using the standardized approach and the Bank's operational risk is monitored using the Basic Indicator Approach.

The Bank's regulatory capital consists of Tier 1 and Tier 2 capital. Tier 1 capital includes ordinary share capital and retained earnings. Tier 2 capital includes the OSFI-approved amounts relating to the Bank's IFRS 9 General Allowances, up to a maximum of 1.25% of Credit Risk Weighted Assets.

The Bank has complied with all externally and internally imposed capital requirements throughout the year. Management uses regulatory capital ratios in order to monitor its capital base. These capital ratios remain the international standards for measuring capital adequacy. The Bank's policies in respect of capital management are reviewed regularly by the Board.

Banking operations are categorized as either trading book or banking book, and risk-weighted assets are determined according to specified requirements that seek to reflect the varying levels of risk attached to assets and exposures not recognized in the statement of financial position.

The Bank's regulatory capital position under Basel III as at June 30, 2019 is outlined in Appendix A.

## APPENDIX A

### BASEL III COMMON DISCLOSURES

As at June 30, 2019

<b>BCAR CALCULATIONS</b>		<b>All-in</b>
1	Directly issued qualifying common share capital (and equivalent for non-joint stock companies) plus related stock surplus	240,424
2	Retained earnings	2,612
3	Accumulated other comprehensive income (and other reserves)	
4	<i>Directly issued capital subject to phase out from CET1 (only applicable to non-joint stock companies)</i>	
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	
6	<b>Common Equity Tier 1 capital before regulatory adjustments</b>	243,036
28	Total regulatory adjustments to Common Equity Tier 1	(11,886)
29	<b>Common Equity Tier 1 capital (CET1)</b>	<b>231,151</b>
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus	
31	of which: classified as equity under applicable accounting standards	
32	of which: classified as liabilities under applicable accounting standards	
33	<i>Directly issued capital instruments subject to phase out from Additional Tier 1</i>	
34	Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group AT1)	
35	<i>of which: instruments issued by subsidiaries subject to phase out</i>	
36	<b>Additional Tier 1 capital before regulatory adjustments</b>	
43	<b>Total regulatory adjustments to Additional Tier 1 capital</b>	
44	<b>Additional Tier 1 capital (AT1)</b>	
45	<b>Tier 1 capital (T1 = CET1 + AT1)</b>	<b>231,151</b>
51	<b>Tier 2 capital before regulatory adjustments</b>	12,736
57	<b>Total regulatory adjustments to Tier 2 capital</b>	
58	<b>Tier 2 capital (T2)</b>	<b>12,736</b>
59	<b>Total capital (TC = T1 + T2)</b>	<b>243,886</b>
60	<b>Total risk-weighted assets</b>	<b>1,504,465</b>
61	Common Equity Tier 1 (as percentage of risk-weighted assets)	15.36
62	Tier 1 (as percentage of risk-weighted assets)	15.36
63	Total capital (as percentage of risk-weighted assets)	16.21
69	Common Equity Tier 1 capital all-in target ratio	7.0
70	Tier 1 capital all-in target ratio	8.5
71	Total capital all-in target ratio	10.5

# LEVERAGE RATIO FRAMEWORK

On-balance sheet exposures		
1	On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	1,280,225
2	(Asset amounts deducted in determining Basel III "all-in" Tier 1 capital)	(11,886)
<b>3</b>	<b>Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2)</b>	<b>1,268,339</b>
Derivative exposures		
4	Replacement cost associated with all derivative transactions (i.e. net of eligible cash variation margin)	
5	Add-on amounts for PFE associated with all derivative transactions	
6	Gross up for derivatives collateral provided where deducted from the balance sheet	
7	(Deductions of receivables assets for cash variation margin provided in derivative transactions)	
8	(Exempted CCP-leg of client cleared trade exposures)	
9	Adjusted effective notional amount of written credit derivatives	
10	(Adjusted effective notional offsets and add-on deductions for written credit derivatives)	
<b>11</b>	<b>Total derivative exposures (sum of lines 4 to 10)</b>	<b>0</b>
Securities financing transaction exposures		
12	Gross SFT assets recognised for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	
13	(Netted amounts of cash payables and cash receivables of gross SFT assets)	
14	Counterparty credit risk (CCR) exposure for SFTs	
15	Agent transaction exposures	
<b>16</b>	<b>Total securities financing transaction exposures (sum of lines 12 to 15)</b>	<b>0</b>
Other off-balance sheet exposures		
17	Off-balance sheet exposure at gross notional amount	4,164,518
18	(Adjustments for conversion to credit equivalent amounts)	(3,748,066)
<b>19</b>	<b>Off-balance sheet items (sum of lines 17 and 18)</b>	<b>416,452</b>
Additional Tier 1 capital: regulatory adjustments		
<b>20</b>	<b>Tier 1 capital</b>	<b>231,151</b>
<b>21</b>	<b>Total Exposures (sum of lines 3, 11, 16 and 19)</b>	<b>1,684,791</b>
Additional Tier 1 capital: regulatory adjustments		
<b>22</b>	<b>Basel III leverage ratio</b>	<b>13.7%</b>



## APPENDIX B: CREDIT RISK

### GENERAL AND QUANTITATIVE DISCLOSURES

The following information provides quantitative analysis of the Bank's total credit card portfolio by account balance, credit limit, delinquency and geography.

<b>Account Balances</b>	<b>Receivables Outstanding</b>	<b>% of Receivables</b>
Credit Balance	(\$10,745)	-0.9%
Less than or equal to \$500.00	\$52,567	4.3%
\$500.01 - \$1,000.00	\$83,091	6.8%
\$1,000.01 - \$3,000.00	\$302,342	24.7%
\$3,000.01 - \$5,000.00	\$240,869	19.7%
\$5,000.01 - \$10,000.00	\$395,758	32.3%
Greater than \$10,000.00	\$160,034	13.1%
<b>Total<sup>1</sup></b>	<b>\$1,223,916</b>	<b>100.0%</b>

Note 1: As reported on the BH regulatory submission

<b>Credit Limits</b>	<b>Receivables Outstanding</b>	<b>% of Receivables</b>
Less than or equal to \$500.00	\$1,309	0.1%
\$500.01 - \$1,000.00	\$40,857	3.3%
\$1,000.01 - \$3,000.00	\$133,384	10.9%
\$3,000.01 - \$5,000.00	\$211,285	17.3%
\$5,000.01 - \$10,000.00	\$449,440	36.7%
Greater than \$10,000.00	\$387,640	31.7%
<b>Total<sup>1</sup></b>	<b>\$1,223,916</b>	<b>100.0%</b>

Note 1: As reported on the BH regulatory submission

<b>Days Delinquent</b>	<b>Receivables Outstanding</b>	<b>% of Receivables</b>
Current <sup>1</sup>	\$1,121,634	91.6%
1 day to 29 days	\$54,638	4.5%
30 days to 59 days	\$15,176	1.2%
60 days to 89 days	\$10,044	0.8%
90 days to 119 days	\$8,359	0.7%
120 days to 159 days	\$7,293	0.6%
160 days to 179 days	\$6,772	0.6%
<b>Total<sup>2</sup></b>	<b>\$1,223,916</b>	<b>100.0%</b>

Note 1: Current category includes zero balance and credit balances

Note 2: As reported on the BH regulatory submission

<b>By Province</b>	<b>Receivables Outstanding</b>	<b>% of Receivables</b>
Alberta	\$183,711	15.0%
British Columbia	\$166,581	13.6%
Manitoba	\$54,152	4.4%
New Brunswick	\$19,958	1.6%
Newfoundland	\$11,532	0.9%
Northwest Territory	\$1,450	0.1%
Nova Scotia	\$25,785	2.1%
Nunavut Territory	\$358	0.0%
Ontario	\$720,771	58.9%
Prince Edward Island	\$3,066	0.3%
Quebec	\$1,910	0.2%
Saskatchewan	\$33,362	2.7%
Yukon Territory	\$1,240	0.1%
US	\$40	0.0%
Other	\$0	0.0%
<b>Total<sup>1</sup></b>	<b>\$1,223,916</b>	<b>100.0%</b>

Note 1: As reported on the BH regulatory submission

## ALLOWANCE FOR CREDIT LOSSES

As at January 1, 2018, the Bank adopted IFRS 9. The allowance for credit card losses is established using an Expected Credit Loss' ("ECL") model. Credit card loans are individually assessed to determine the appropriate allowance. The allowance for credit losses is maintained at a level that management considers appropriate to cover estimated credit related losses in the portfolio. The ECL model requires considerable judgment, including the use of macroeconomic forecasts across multiple growth scenarios.

Credit card loans are impaired when there is objective evidence of deterioration in the credit quality to the extent that there is no longer reasonable assurance of the timely collection of the full amount of principal and interest. Credit card balances are written off after a payment is 180 days in arrears

The following are the changes in the allowance for credit card losses for the quarter:

Allowance for Credit Card Losses, beginning of quarter	\$179,928
Provision for credit card losses	\$28,744
Recoveries	\$4,260
Write-offs	(\$26,710)
<hr/>	
Allowance for Credit Card Losses, end of quarter <sup>1</sup>	<b>\$186,222</b>

Note 1: As reported on the C3 regulatory submission

## **DISCLOSURES FOR PORTFOLIOS SUBJECT TO THE STANDARDIZED APPROACH**

Duo Bank of Canada invests in government issued securities, cash deposits and short term investments with regulated financial institutions.

	<b>Amount</b>	<b>Risk Weight</b>
Deposits with Regulated Financial Institutions	\$114,791	20%
Government Issued or Guaranteed Securities	\$32,368	0%
<b>Total</b>	<b>\$147,159</b>	

## **DISCLOSURES FOR PORTFOLIOS SUBJECT TO IRB APPROACHES**

Duo Bank of Canada manages credit risk using the standardized approach, and as such, the bank does not have any portfolios subject to the Internal Ratings-Based (IRB) approach.

## **CREDIT RISK MITIGATION**

Duo Bank of Canada's loans receivable consists of credit card receivables exclusively. The credit card loans are unsecured and are not guaranteed. The bank invests in government issued or guaranteed securities and deposits with regulated financial institutions. Therefore, coupled with the controls that are specified in the first part of this document, the Bank is exposed to immaterial risk.

## **GENERAL DISCLOSURE FOR EXPOSURES RELATED TO COUNTERPARTY CREDIT RISK**

Duo Bank of Canada does not have large counterparty exposure to financial guarantors, investment banks or derivative counterparties. The only exposures the Bank has are listed in the standardized approach disclosure above. The Bank holds those assets solely for the intent to fund its growing portfolio and for compliance with all regulatory liquidity metrics.

## **SECURITIZATION: DISCLOSURE FOR STANDARDIZED APPROACH**

Duo Bank of Canada originates credit card loans which it began securitizing in April 2019 as part of its diverse funding strategy and for capital efficiency purposes. In

April 2019 the Bank established a structured special purpose entity Canvas Cards Trust (“CCT”) to facilitate the securitization. The Bank transfers a co-ownership interest in the credit card loans on a revolving basis to CCT in exchange for cash proceeds. CCT funds the purchase of the co-ownership interest by issuing notes secured by the co-ownership interest in the credit card loans. The Bank continues to service the transferred credit card loans and retains the account relationships with the customers as well as a residual interest in the credit card loans. Proceeds received from transferred co-ownership interests are reinvested in additional co-ownership interests to facilitate funding as per the Bank’s funding strategy and target funding mix between deposits and securitizations.

For legal purposes, the bank has sold a co-ownership interest in the credit card loans which are beyond the reach of the Bank’s creditors. However, as the Bank retains exposure to substantially all the risks and rewards of the transferred co-ownership interest in the credit card loans and continues to control CCT, for financial reporting purposes the Bank does not derecognize the transferred interest in the credit card loans and in addition consolidates CCT. The securitized interest in the credit card loans therefore remain on the Bank’s consolidated financial statements subject to continued measurement at amortized cost and assessment for impairment. In addition, upon consolidation of CCT, the notes issued by CCT are included as liabilities on the Bank’s consolidated financial statements and carried at amortized cost.

For regulatory capital purposes, the credit card loans are considered part of risk weighted assets no differently than had they not been securitized.

As at June 30, 2019, the following table sets out the carrying value and fair value of the Bank’s transferred co-ownership interest in the credit card loans and the associated notes issued by CCT:

	2019	
	Carrying Value	Fair Value
Co-ownership interest in originated Credit Card loans transferred to CCT	913,571	913,571
Associated note liabilities	913,571	913,571

CCT has issued 1 series of Notes since the creation of the vehicle in April 2019. The investors in the notes are external parties and are not related to the Bank. The notes issued have the following terms and carrying value at June 30, 2019:

Notes in Issue	Issuance Date	Maturity date	Coupon Rate	2019
<b>Senior notes</b>				
Series 2019-1	April 1, 2019	April 2022	3M CDOR plus spread	913,571

The Notes are structured as a revolving facility with a committed amount of \$1 billion and had an initial advance on issuance of \$879 million. The Bank may draw upon or pay down the Notes during the term and the facility terminates at the earlier of the date that the Notes are repaid by the Bank or upon repayment commencing no later than April 2022.

The interest rate on the Notes is based on 3M CDOR plus a spread. The spread is based on the level of overcollateralization and the specified period during the term of the Notes.

## APPENDIX C: INTEREST RATE RISK

The Asset & Liability Committee oversees and assesses the following impacts resulting from a plus or minus 200 bps parallel shift in interest rates:

- Projected Net Interest Income (NII) over the next 12 months
- Net Economic Value (NEV)

The impacts have a close linear relation to the basis point shift. Consequently, a 100bps shift would impact NII and NEV half as much as a 200bps shift.

The limits for the interest rate impact are set at 20% for NII, and 12% for NEV. The results of the most recent quarter are as follows:

	<b>Limit</b>	<b>% Impact</b>
Net Interest Income	20%	6%
Net Economic Value	12%	3%