Basel III Pillar 3 Public Disclosures of

SHINHAN BANK CANADA

As at December 31, 2020

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1. Scope of Application

This document outlines the Pillar 3 public disclosures for Shinhan Bank Canada (the "Bank") as at December 31, 2020 in accordance with the Pillar 3 Disclosure Requirements of the Office of the Superintendent of Financial Institutions Canada ("OSFI").

The Bank was established on August 22, 2008 and has been licensed to operate in Canada as a Schedule II bank with full banking powers under the Bank Act of Canada. The Bank is a wholly owned subsidiary of Shinhan Bank (the "Parent Bank") domiciled in South Korea. The head office is located at 5140 Yonge Street, Suite 2300, Toronto, Ontario, Canada, M2N 6L7. The Bank operates in the Greater Toronto Area and Greater Vancouver Area.

This report is unaudited and is reported in thousands of Canadian dollars, unless otherwise specified.

2. Risk Management Framework

The Bank established Risk Management Policy to identify, assess, monitor, report known risks and emerging risks and define internal controls to achieve business objectives. The Bank also measures the amount of risk that management is willing to take in pursuit of strategic objectives via its Risk Appetite Framework.

The Board of Directors (the "Board") has overall oversight responsibility for the Bank's risk management framework, including:

- Approving and overseeing strategy, risk management and internal control; and
- Providing challenge, advice and guidance to the Senior Management of the Bank on operational and business policies and business performance and effectiveness of risk management.

The Risk Management Committee of the Board (the "RMC") is responsible for:

- Assisting the Board in its oversight function with respect to the effectiveness and adequacy of the Bank's total risk management; and
- Approving material changes to the Bank's strategy and corresponding risk appetite.

The Bank establishes the following management committees in order to identify and monitor risks, outline controls and risk limits, and establish process for monitoring the established risk limits:

- The Asset and Liability Committee (the "ALCO") provides oversight to ensure the Bank's assets, liabilities, interest rate risk, and liquidity risk;
- The Crisis Management Committee (the "CMC") identifies risk factors and monitors the existing risk factors identified at the business-line level; and
- The Loan Monitoring Committee (the "LMC") decides monitoring grades on borrowers with high exposures to the Bank.

3. Capital Structure

The Bank's capital management framework is designed to maintain a sound level that meets and/or exceeds the regulatory capital ratios, internal long-term capital targets and strong credit ratings and build long-term shareholder value.

The regulatory capital of the Bank consists of Tier 1 and Tier 2 capital. Tier 1 capital includes common share and retained earnings less deductions prescribed by OSFI. Tier 2 capital consists of Stage 1 and Stage 2 allowances under IFRS 9 and capped at 1.25% of credit risk-weighted assets ("RWA") under the Standardized Approach. Table 1 shows the Bank's capital structure as of December 31, 2020.

Due to the recent economic disruption caused by the COVID-19 pandemic, OSFI announced a series of regulatory capital modifications. Announced changes included providing transitional expected credit loss (ECL) modifications and risk-weight exclusions for certain exposures. In addition, OSFI also allowed delaying for six months, from the date of deferral, the past due treatment of all loan deferrals requested by clients.

			(Unit: \$000s)
Capital Structure	2020	2019	YoY
Common shares	80,000	80,000	-
Retained earnings (deficit)	6,663	5,306	1,357
Regulatory adjustments	(88)	(138)	50
Common Equity Tier 1 (CET1) Capital	86,575	85,168	1,407
Common Equity Tier 1 (CET1) Capital with transitional arrangements for ECL provisioning not applied	86,274		
Tier 1 Capital	86,575	85,168	1,407
Tier 1 Capital with transitional arrangement for ECL provisioning not applied	86,274		
Stage 1 and 2 allowances	3,465	3,181	284
Tier 2 Capital	3,465	3,181	284
Total Capital (Tier 1 + Tier 2)	90,040	88,349	1,691
Total Capital with transitional arrangement for ECL provisioning not applied	90,040		

Table 1 The capital structure as of December 31, 2020 and as at December 31, 2019.

4. Capital Adequacy

The Bank has a capital management process in place to measure and monitor its available capital and assess adequacy of the capital. This process aims to maintain a cost-effective capital structure that provides adequate returns to the Bank's shareholder. The Bank's Senior Management and the Board of Directors regularly review results of related businesses, returns to total shareholder equity and level of dividends to the shareholder.

Capital adequacy for banks domiciled in Canada is regulated pursuant to the OSFI's Capital Adequacy Requirements ("CAR") guidelines. Capital ratios are calculated by dividing regulatory capital by RWA which receive a specific risk weight determined by characteristics of assets. Effective 2014 Q4, banks must meet a CET1 ratio of 7.0%, Tier 1 capital ratio requirement of 8.5%, and total capital target ratio of 10.5%. As at December 31, 2020, the Tier 1 capital ratio and total capital ratio were 16.27% and 16.92% respectively, which complied with both the regulatory minimum and internal targets determined by the Bank's ICAAP.

Leverage ratio is computed by dividing Tier 1 capital by the total exposure. As at December 31, 2020, the leverage ratio was 9.18%. This maintains within the regulatory requirement by OSFI. Table 2 shows the breakdown of RWA and capital ratios.

			(Unit: \$000s)
Risk-Weighted Assets and Ratios	2020	2019	YoY
Credit risk	500,255	478,020	22,235
Market risk	313	150	163
Operational risk	31,541	30,000	1,541
Total RWA	532,109	508,170	23,939
CET1 Capital Ratio	16.27%	16.76%	-0.49%
Total Capital Ratio	16.92%	17.39%	-0.47%
Total exposures	943,310	851,776	91,534
Leverage Ratio	9.18%	10.00%	-0.82%

Table 2 The risk-weighted assets and ratios as of December 31, 2020 and as at December 31, 2019.

5. Credit Risk

a. General

Credit risk is the risk of loss associated with a borrower's inability to meet its contractual obligations. This risk is the most significant financial risk exposure faced by the Bank and arises predominantly from loans to customers.

The Bank has instituted formal credit procedures for performing credit reviews as documented in the Loan Policy that was approved by the Board. Credit policies ensure that an appropriate balance exists between achieving earnings objectives and maintaining a sound credit portfolio. These policies outline procedures for identifying and measuring credit risk, evaluating and approving credit, and monitoring and controlling credit risk. Procedures include a comprehensive credit risk assessment and assignment of an internal risk rating to a borrower. Approval process is delegated to various officials and committees in accordance with the Loan Policy. Quantitative analysis includes a credit review of the financial statements and may include trend and ratio analysis. Qualitative analysis includes a review of management personnel, comments about the quality of the services and innovations as well as the reputation of the firm in the marketplace.

The Bank applies the Standardized Approach laid out in Basel II and CAR to measure the regulatory capital charge for credit risk.

Tables 3 and 4 provide the Bank's total gross credit exposures of 2019 and 2020, grouped by various categories: exposure type, geographic location, industry, and remaining contractual maturity. Because the Bank does not have debt securities or OTC derivatives, its credit exposure consists of loans (drawn), commitments (undrawn), and other non-derivative off-balance sheet exposures.

				(Unit: \$000s)
	Loans	Commitments	Other off- balance sheet exposures	Total
By exposure type				
Corporate	266,856	7,718	6,000	280,574
Sovereign	30,283	-	-	30,283
Bank	163,924	20	-	163,944
Retail residential mortgages	452,127	-	-	452,127
Other retail	8,136	8,304	88	16,527
SBEs treated as other retail	22,858	13,712	430	37,000
Other assets	12,880	-	-	12,880
Total exposure	957,064	29,754	6,518	993,336
By geographic location				
Canada				
Ontario	830,112	22,927	513	853,551
British Columbia	119,599	6,827	6,005	132,431
Others (Canada)	506	-	-	506
Others (International)	6,847	-	-	6,847
Total exposure	957,064	29,754	6,518	993,336
By industry				
Consumer loan				
Residential mortgage (RML)	452,127	_	_	452,127
Other consumer loan	8,136	8,304	88	16,527
Commercial loan	0,150	0,504	00	10,527
Manufacturing	185	125	_	310
Service	250,549	17,044	230	267,823
Retail	35,383	4,163	200	39,746
Other commercial	3,598	4,105	6,000	9,716
Other credit exposures	207,087	-	-	207,087
Total exposure	<u>957,064</u>	29,754	6,518	993,336

Table 3. The gross credit exposure as of December 31, 2020.

By residual contractual maturity				
Within 3 months	213,233	4,456	6,124	223,813
3 months to 1 year	169,597	10,277	394	180,268
1 to 5 years	574,234	15,021	-	589,255
Over 5 years	-	-	-	-
Total exposure	957,064	29,754	6,518	993,336

Note : The bank has off-balance sheet commitments to extend credit relating to CEBA loans as at December 31, 2021 of \$4,280K. The Canada Emergency Business Account ("CEBA") loans are funded entirely by the Government of Canada, with the Bank retaining no credit risk. Accordingly, these loans are not recognized on the Bank's balance sheet.

Table 4. The gross credit exposure as of December 31, 2019.

		December	31, 2019	
	Loans	Commitments	Other off- balance sheet exposures	Total
By exposure type				
Corporate	284,538	8,738	6,000	299,276
Sovereign	19,967			19,96'
Bank	88,968	20	5,649	94,63'
Retail residential mortgages	385,789			385,78
Other retail	10,466	8,305	209	18,97
SBEs treated as other retail	25,785	13,869	511	40,16
Other assets	12,785			12,78
Total exposure	828,299	30,932	12,369	871,60
By geographic location Canada				
Ontario	704,835	23,613	702	729,15
British Columbia	114,269	7,319	11,667	133,25
Others (Canada)	445	-	-	3,79
Others (International)	8,750	-	-	8,75
Total exposure	828,299	30,932	12,369	871,60
By industry				
Consumer loan				
Residential mortgage (RML)	385,789	-	_	385,78
Other consumer loan	10,466	8,305	139	18,90
Commercial loan	,	,		-)- •
Manufacturing	193	125	_	31
Service	265,956	18,771	6,278	291,00
Retail	40,446	3,629	304	44,37

Other commercial	3,625	103	-	3,728
Other credit exposures	121,824	-	5,649	127,472
Total exposure	828,299	30,932	12,369	871,600
By residual contractual maturity				
Within 3 months	115,512	3,332	6,699	125,543
3 months to 1 year	174,920	5,756	5,670	186,346
1 to 5 years	537,867	21,844	-	559,711
Over 5 years	-	-	-	
Total exposure	828,299	30,932	12,369	871,600

b. Impairment

Impairment is measured as the difference between the recorded value of the loan and its estimated realizable amount, determined by discounting the expected future cash flows at the effective interest rate inherent in the loan at the date of impairment. When the amount and timing of future cash flows cannot be measured with reasonable reliability, either the fair value of any security underlying the loan, net of any expected realization costs, or the observable market price for the loan is used to measure the estimated realizable amount.

A loan that is past due between 1 to 90 days is classified "past due", but not impaired. A loan is considered to be "impaired" when the loan is past due for more than 90 days. As of December 31, 2020, the Bank has one impaired commercial mortgage loan in Ontario with the amount of \$915K and no other past due status loan.

c. Allowances

Collective allowance (stages 1 and 2) absorbs expected credit losses arising from adverse trends or exposures to particular industries, geographic regions or other groupings, but where such losses cannot be determined specific to a loan.

Individual allowance (stage 3) is established on an individual basis to reflect the associated estimated credit loss. For impaired loans, this allowance is the amount required to reduce the carrying value of an impaired loan to its net realizable amount. As of December 31, 2020, the amount of provisions for credit loss that is charged to the statement of comprehensive income and loss is the actual net credit loss experience for the period which the management considers adequate to absorb all credit-related losses in its portfolio of on- and off-balance sheet items.

Table 5 summarizes collective allowance and individual allowance as of 2019 and 2020.

Table 5 Allowances by geographic area and industry as of 2019 and 2020.

	(Unit: \$000s					
		2020			2019	
	Collective	Individual	Total	Collective	Individual	Total
By geographic location						
Canada						
Ontario	3,158	584	3,742	2,502	584	3,086
British Columbia	605		605	672	-	672
Others (Canada)			-			-
Others (International)	3		3	7	-	7
Total allowance	3,766	584	4,350	3,181	584	3,765
By industry						
Consumer loan						
RML	382	_	382	312	_	312
Other consumer loan	21	-	21	20	-	20
Commercial loan			-			-
Manufacturing	3	-	3	3	-	3
Service	2,929	-	2,929	2,431	-	2,431
Retail	233	584	817	248	584	832
Other commercial	92	-	92	59	-	59
Other credit exposures	106	-	106	108	-	108
Total allowance	3,766	584	4,350	3,181	584	3,765
Change in allowance						
Beginning Balance	3,181	584	3,765	3,125	-	3,125
IFRS 9 adoption	-	-	-	-	-	-
Write-offs	-	-	-	-	-	-
Recoveries	-	-	-	-	-	-
Charge for impairment	585	-	585	56	584	640
Ending Balance	3,766	584	4,350	3,181	584	3,765

6. Credit Risk Mitigation

As part of the Bank's credit risk mitigation approach, the Bank monitors, on a regular basis, the loan portfolio mix to prevent any concentration of loans to a particular borrower, industry, loan type, or geographic area.

The Bank holds collateral against loans to customers in the form of mortgage interests over property, other registered securities over assets, and guarantees. Estimates of fair value are based on the value of collateral assessed at the time of borrowing which were conducted by a qualified external appraiser.

The main types of collateral taken by the Bank are residential properties (single family houses, condominiums, and townhouses), commercial properties (strip plazas, commercial buildings, office buildings, etc.), business chattels, and term deposits held by borrowers.

The Bank's small business improvement loans are guaranteed by Industry Canada in accordance with the Small Business Loan Act.

Table 6 compares eligible financial collaterals the Bank held in 2019 and 2020 by exposure type.

Table 6 The credit risk mitigation technique used for the Standardized Approach in 2019 and 2020.

		(Unit: \$000s)
Exposure Type	2020	2019
Corporate	1,533	6,673
Other retail	2,677	4,059
SBEs treated as other retail	1,931	2,080
Total eligible financial collateral	6,141	12,812

7. Counterparty Credit Risk

Counterparty credit risk ("CCR") is the risk that the counterparty to a transaction could default before the final settlement of the transaction's cash flows. An economic loss would occur if the transactions or portfolio of transactions with the counterparty has a positive economic value at the time of default.

When a business unit does a transaction related to CCR, it confirms that the risk could be managed within the limit approved by the related committee or the Parent Bank before the transaction.

CCR principally arises from foreign exchange swap transactions. As of December 31, 2020, the Bank did not have any exposure ate default related to CCR.

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8. Market Risk

Market risk is the risk to earnings or capital arising from changes in the values of portfolios of financial instruments on trading book. The risk arises from foreign exchange positions that are subject to cash management purposes. As at December 31, 2020, the Bank held \$308K of foreign exchange positions.

The Bank's carrying currencies are Canadian Dollar (CAD), U.S. dollar (USD), Euro (EUR), and Korean Won (KRW). The maximum of the absolute values of USD, EUR, and KRW net position amounts are used for the market risk position.

	(Unit: \$000s)
Components	2020
USD Position Amount	2
CAD/USD Exchange Rate	1.27
USD Position (CAD Equivalent)	2
EUR Position Amount	-
CAD/EUR Exchange Rate	1.56
EUR Position (CAD Equivalent)	-
KRW Position Amount	261,281
KRW/CAD Exchange Rate	853.24
KRW Position (CAD Equivalent)	306
Total Long Position	308
Total Short Position	0
Maximum Market Position Amount	308
Market Risk	25

Table 7. The components of the bank's foreign exchange positions

9. Operational Risk

Operational risk is the risk of direct or indirect loss arising from a wide variety of causes associated with the Bank's processes, personnel, technology and infrastructure, and from external factors other than credit, market and liquidity risks such as those arising from legal and regulatory requirements and generally accepted standards of corporate behaviour.

The Bank established Operational Risk Management Guideline to oversee the operational risk management program of the Bank. The Bank utilizes various tools such as Risk & Control Self-Assessment ("RCSA"), Operational Risk Event and Loss Data Collection, and Key Risk Indicator ("KRI") to identify and assess inherent risk.

The Bank uses the basic indicator approach to measure the capital charge for operational risk. As at December 31, 2020, the average three-year gross income was \$16.8 million and the capital charge for basic indicator approach was \$2.5 million.

Table 8. The Basic indicator approach to measure the capital charge for operational risk

						(Unit: \$000s)
Year 1	Year 2	Year 3	Average of three-year gross income	Alpha	Capital Charge	RWA
16,398	18,789	15,279	16,822	15%	2,523	31,541

10. Interest Rate Risk

Interest rate risk ("IRR") is the risk to earnings or capital arising from movements in interest rates on the banking book. IRR arises from differences between the timing of rate changes and the timing of cash flows (re-pricing risk) as well as changing rate relationships across the spectrum of maturities (yield curve risk). The Bank is exposed to on-balance and off-balance sheet assets and liabilities that are sensitive to interest rate fluctuations via maturity mismatch.

Interest rate gap position as of December 31st, 2020:

The gap for any given tenor bucket represents the potential borrowings from, or placements to the markets (internal or external) required due to the earlier of the re-pricing and maturity dates of liabilities or assets. The following table sets out an interest rate gap analysis across various periods:

					(011	t: \$000s)
2020	Floating	Within	3 months	1 to 5	Non-rate	Total
		3 months	to 1 year	years	Sensitive	
Assets						
Cash and equivalents	67,255	-	-	-	\$1,460	\$68,715
Deposits with regulated financial institutions		80,197	10,000	-	-	90,197
Securities	-	20000	5199	5084	-	30283
Loans	644,754	11,424	37,879	62,393	-	756,450
Other assets	-	-	-	-	3,597	3597
	712,009	111,621	53,078	67,477	5,057	949,242
		•				
Liabilities						
Payable on demand	200,357	-	-	-	58,833	259,190
Payable on fixed date	-	157,344	322,040	22,887	-	502,271
Lease liabilities	-	136	418	3313	-	3867
Other liabilities	-	25,000	70,000	-	5,097	100,097
	200,357	182,480	392,458	26,200	63,930	865,425
Total Gap	\$511,652	(\$70,859)	(\$339,380)	\$41,277	(\$58,873)	\$83,817

Table 9. Interest rate risk and book value of each class of investment:

(Unit: \$000s)

Based on the Bank's interest rate positions as at December 31, 2020, the following table 10 shows the change in the portfolio's net present value ("NPV") by 100 basis points upward and downward in interest rates across the yield curve for all currencies as of December 31, 2020.

			(Unit: \$000s)
Change in Interest	Net Present Value	Change in Net interest income	
Rates		Year 1	Year 2
+100b	516	2,394	652
-100bp	-451	-2,394	-652

Table 10. Changes in net present value and net interest income as of December 31, 2020.

11. Liquidity and Funding Risk

Liquidity and funding risk is the risk for loss when the Bank is unable to obtain sufficient cash or cash equivalents in a timely manner at a reasonable cost to meet its commitments. The Bank's Liquidity Risk Management Policy outlines risk assessment, operations, and management methods for liquidity risk so that the Bank's activities are aligned with both regulatory and internal requirements. The ALCO oversees liquidity risk management and liquidity and funding management plans. Stress tests that are aligned with the OSFI's B-6 Liquidity Principles are conducted on a regular basis for a variety of bank-specific and market-wide stress scenarios to identify sources of potential strain, to measure the impact on funding requirements and to ensure that current exposures remain in accordance with the Bank's established liquidity and funding risk tolerance.

The LCR of the Bank as of December 31, 2020 maintains over 100%, regulatory requirement by OSFI.

12. Remuneration

a. General

Shinhan Bank Canada's remuneration program is to compensate its employees at an adequate level that is internally fair and externally competitive in order to attract and retain skilled workforces. The Bank's remuneration practices are to actively reflect its management strategies and objectives and to promote a performance-oriented environment through an effective motivation and reward platform for the employees.

While the remuneration practices must consider the performance goals, they must also consider the risk appetite that is determined by senior management. Senior Management refers to the executive level employees who are responsible for making decisions on major risk-related or management-related issues. They are the material risk-takers of the Bank.

As of December 31, 2020, there were a total of 16 employees considered to be Senior Management of the Bank, and they are as follows:

- President & CEO;
- Senior Vice Presidents (CRO & CCO)
- Vice Presidents (CXO level)
- Other VP's, Branch Managers

The amount of inherent risk may differ due to the nature of work each of them is responsible for, but the Bank has its Risk Appetite Framework in place to limit the amount of risk they can take.

b. Responsibilities of the Board of Directors

The Board of Directors of the Bank oversees and is ultimately responsible for the remuneration of the Bank. As of December 31, 2020, there were 8 members in the Board. Five of the Board members were independent non-executive directors, selected and appointed based on their qualifications and relevant experiences.

With regards to remunerations for Senior Management, the Directors of the Bank:

- Establish a remuneration structure under the guidance of the remuneration policy of Shinhan Bank Korea, the Parent Bank for the expatriates and Canadian practices for all other employees;
- Ensure the remuneration practices are arranged in line with the Bank's management objectives and risk appetite; and
- Monitor and review the remuneration system annually to ensure it operates as intended.

The Bank has the Human Resources Policies and Procedures which address remuneration policies for all employees, and the Human Resources & Organizational Development department regularly reviews the compensation structure so that it operates as intended, as indicated above.

A Compensation and Job Ranking Analysis was completed in April 2017 and approved by the Board of Directors on July 14, 2017. The major changes were to: a) replace the existing 6 salary grades and b)

implement new salary grades and job levels -11 in total based on the nature and complexity of positions. The effective date for salary adjustments was August 14, 2017.

c. Annual Performance Review and Base Salary Review

A key goal for the Bank's annual Performance Management Program is to maintain a competitive position within the market by providing Senior Management with the opportunity to adjust their base salary and receive a performance bonus.

Merit increases are tied to the employee's performance of their role and are evaluated annually based on pre-established standards. The performance evaluation is based on key metrics set by the Board of Directors through mandates (where appropriate), the Bank's Strategic Plan, Department goals, as well as from global targets by the Parent bank. These targets are directly linked to the performance of the Bank and are specific and relevant to each business unit and are individually measurable toward the employee's performance evaluation. These metrics are set at the beginning of each year. In FY2020, the Board of Directors has approved a goal-based performance management system that aligns with the goals of Shinhan Bank Canada and also evaluates competencies such as a risk mindset, driving a compliance culture and ensuring an audit-ready environment.

Table 11. The total value of remuneration awarded for 2019 and 2020.

		(Unit: \$000s)
Remuneration	2020.01,01 - 2020.12.31	2019.01,01 - 2019.12.31
Fixed remuneration		
Salary, allowance, and defined contribution pension plan	1,710	1,700
Variable remuneration		
Performance-based incentives	83	85
Total	1,793	1,785

 $(II_{2}; 4, 000_{2})$