# 2008

# **HSBC Bank Canada**

Capital and Risk Management
Pillar 3 Supplemental Disclosures
as at December 31, 2008



#### Index & Notes to Users



Index	Page
Basel II Regulatory Capital and Risk-Weighted Assets	2
Credit Exposure by Counterparty Type	3
Credit Exposure by Geography	3
Residual Contract Maturity Breakdown	3
Portfolio Breakdown by Basel II Approaches	4
Standardized Exposures by Risk Weight Category	4
Risk Assessment - AIRB Retail Credit Portfolio	4
Risk Assessment - AIRB Non-Retail Credit Portfolio	5
Exposures Covered by Credit Risk Mitigation	6
AIRB Credit Risk Exposures - Credit Commitments	6
Securitization Portfolio Exposure	7
Basel II Glossary	8

#### **Notes to Users**

#### Capital and Risk Management Pillar 3 Disclosures

The Pillar 3 Supplemental Disclosures are additional summary descriptions and quantitative financial information which supplement those already made in the Annual Report and Accounts 2008 for the disclosure requirements under OSFI's Pillar 3 Disclosure Requirements Advisory issued September 29, 2006 consistent with the "International Convergence of Capital Measurement and Capital Standards" ('Basel II') issued by the Basel Committee on Banking Supervision in June 2006.

The supervisory objectives of Basel II, which replaces the 1988 Basel Capital Accord, are to promote safety and soundness in the financial system and maintain an appropriate level of capital in the system, enhance competitive equality, constitute a more comprehensive approach to addressing risks, and focus on internationally active banks. Basel II is structured around three "pillars": pillar 1. minimum capital requirements, pillar 2. supervisory review and pillar 3. market discipline.

Pillar 3 complements the minimum capital requirements and the supervisory review process. Its aim is to encourage market discipline by developing a set of disclosure requirements which will allow market participants to assess certain specified information on the scope of application of Basel II, capital, particular risk exposures, risk assessment processes, and hence the capital adequacy of the institution.

The Office of the Superintendent of Financial Institutions ("OSFI") supervises HSBC Bank Canada (the "Bank") on a consolidated basis. Effective November 1, 2007, OSFI implemented a new regulatory capital management framework, which gives effect to Basel II. OSFI has approved the Bank's application to apply the Advanced Internal Ratings Based ("AIRB") approach to credit risk on our portfolio and the Standardized Approach for measuring Operational Risk. Please refer to the Annual Report and Accounts 2008 for further information on the Bank's risk and capital management framework.

Further information regarding HSBC Group Risk Management Processes can be found in HSBC Holdings plc Capital and Risk Management Pillar 3 Disclosures available on HSBC Group's investor relations web site.

This report is unaudited and all amounts are in millions of Canadian dollars, unless otherwise indicated.

#### Basel II Regulatory Capital and Risk-Weighted Assets(1)



Qualifying Regulatory Capital	December 31,
	2008
Common shares	1,225
Retained earnings	1,949
Non-cumulative preferred shares	696
Non-controlling interests in trust and subsidiary	430
Securitization-related deductions and other	(88)
Goodwill	(15)
Total Tier 1 capital	4,197
Subordinated debentures	788
Other	216
Total Tier 2 capital	1,004
Total capital available for regulatory purposes	5,201

Capital Ratios	December 31, 2008
Tier 1 capital ratio	10.1%
Total capital ratio (2)	12.5%
Assets to capital Multiple	14.0x

- (1) As per the Basel II Capital Adequacy Requirement guidelines issued by OSFI.
- (2) OSFI's target total capital ratio for well capitalized Canadian banks is 10%.
- (3) Exposure represents gross exposure at default before allowances and credit risk mitigation.
- (4) Under OSFI guidelines the Bank is exempt from using the AIRB approach based on materiality. Accordingly equity investments are risk weighted at 100%.
- (5) Securitization exposures are currently treated as on balance sheet exposures and included in the Basel II counterparty category to which the exposures relate - see page 7 for further information on Securitization Exposures.
- (6) Under OSFI guidelines the value of the bank's trading assets or liabilities do not meet the threshold for the capital adequacy requirements for market risk.
- (7) The Bank is subject to a regulatory capital floor according to transitional arrangements prescribed by OSFI. OSFI has given the Bank their approval to reduce the capital floor to 90%. commencing with the third quarter 2008 regulatory reporting period.

Risk-Weighted Assets (RWA)	December 31, 2008					
(\$ millions except as noted)	Exposure	RWA				
	(3)	Standardized Approach	Advanced Approach	Total		
Corporate	49,904	-	25,483	25,483		
Sovereign	10,882	-	167	167		
Bank	8,730	8	453	461		
Residential Mortgages	19,354	712	1,587	2,299		
HELOC's	4,727		547	547		
Other Retail (excluding QRR and SME)	7,224	3,128	1,689	4,817		
Qualifying Revolving Retail	1,254	-	179	179		
Retail SME	743	-	453	453		
Exposures subject to standardized or IRB approaches	102,818	3,848	30,558	34,406		
Equity (4)	395			395		
Securitization (5)	-			-		
Other assets not included in standardized or IRB approaches	967			812		
Adjustment to IRB risk-weighted assets for scaling factor	-			1,857		
Total Credit Risk	104,180			37,470		
Market Risk (6)				-		
Operational Risk - Standardized Approach				4,153		
Total Risk-Weighted Assets				41,623		
Adjustment for Regulatory Floor (7)				-		
Total Transitional Risk-Weighted Assets				41,623		

## **Credit Exposure by Counterparty Type**

(\$ millions except as noted)



		December 31, 2008						
	Loans (Drawn)	Commitments (Undrawn)	Repo Style Transactions	отс	Other Off Balance Sheet Items	Total		
Corporate	30,761	11,413	3,855	944	2,931	49,904		
Sovereign	10,093	42	634	93	20	10,882		
Bank	1,745	1,154	4,042	1,783	6	8,730		
Total Corporate, Sovereign and Bank	42,599	12,609	8,531	2,820	2,957	69,516		
Residential Mortgages	19,354	-	-	-	ı	19,354		
HELOC's	2,463	2,264	-	-	-	4,727		
Other Retail (excluding QRR and SME)	4,625	2,585	-	-	14	7,224		
Qualifying Revolving Retail	388	866	-	-	-	1,254		
Retail SME	684	4	-	-	55	743		
Total Retail	27,514	5,719	-	-	69	33,302		
Total Gross Credit Exposure	70,113	18,328	8,531	2,820	3,026	102,818		

## **Credit Exposure by Geography**

(\$ millions except as noted)

	December 31, 2008							
	Loans (Drawn)	Commitments (Undrawn)	Repo Style Transactions	отс	Other Off Balance Sheet Items	Total		
British Columbia	26,549	6,914	-	197	837	34,497		
Western Canada, excluding British Columbia	11,048	4,687	-	234	839	16,808		
Ontario	26,149	4,802	8,025	1,952	943	41,871		
Quebec & Atlantic provinces	6,367	1,925	506	437	407	9,642		
Total Gross Credit Exposure	70,113	18,328	8,531	2,820	3,026	102,818		

## **Residual Contract Maturity Breakdown**

	December 31, 2008						
	Loans (Drawn)	Commitments (Undrawn)	Repo Style Transactions	отс	Other Off Balance Sheet Items	Total	
Within 1 year	36,535	17,799	3,804	1,585	2,884	62,607	
1-5 years	28,412	101	1,960	870	93	31,436	
Greater than 5 years	5,166	428	2,767	365	49	8,775	
Total Gross Credit Exposure	70,113	18,328	8,531	2,820	3,026	102,818	

### Portfolio Breakdown by Basel II Approaches

(\$ millions except as noted)



	December 31, 2008						
	Standa	ardized	All	RB			
		Credit		Credit			
	Loans	Equivalent	Loans	Equivalent			
	(Drawn)	Amount on	(Drawn)	Amount on			
		Undrawn		Undrawn			
Corporate	-	-	30,761	11,413			
Sovereign	-	-	10,093	42			
Bank	42	-	1,703	1,154			
Total Corporate, Sovereign and Bank	42	-	42,557	12,609			
Residential Mortgages	1,630	-	17,724	-			
HELOC's			2,463	2,264			
Other Retail (excluding QRR and SME)	2,391	1,780	2,234	805			
Qualifying Revolving Retail	-	-	388	866			
Retail SME	-	-	684	4			
Total Retail	4,021	1,780	23,493	3,939			
Total Gross Credit Exposure	4,063	1,780	66,050	16,548			

#### Standardized Exposures by Risk Weight Category (1)

(\$ millions except as noted)

		December 31, 2008 Risk Weight Category						
	0%	0% 20% 35% 50% 75% 100% 150%					Total	
Bank		42		-		-	-	42
Total Corporate, Sovereign and Bank	-	42	-	-	-	-	-	42
Residential Mortgages	-		1,273		338	13		1,624
Other Retail					4,039	40	39	4,118
Total Retail	-	-	1,273	-	4,377	53	39	5,742
Total Exposure at Default	-	42	1,273	-	4,377	53	39	5,784

<sup>(1)</sup> Exposure at default, net of allowances for credit losses

#### Risk Assessment - AIRB Retail Credit Portfolio

		December 31, 2008						
		Other Retail Qualifying						
	Residential		(excl. QRR	Revolving				
	Mortgages	Heloc's	and SME)	Retail	Retail SME	Total		
Strong	17,428	4,711	2,887	1,144	659	26,829		
Medium	255	8	99	106	64	532		
Sub-Standard	-	-	-	-	1	1		
Impaired/Default	41	8	67	4	18	138		
Total Exposure at Default	17,724	4,727	3,053	1,254	742	27,500		

### Risk Assessment - AIRB Non-Retail Credit Portfolio



		Decembe	r 31, 2008	
Internal Rating	Exposure at Default (1)	Exposure- Weighted Average PD (%)	Exposure- Weighted Average LGD (%)	Exposure- Weighted Average Risk Weight (%)
Corporate				
Minimal Risk	1,716	0.04	46	12
Low Risk	4,177	0.10	44	19
Satisfactory Risk	17,189	0.48	33	41
Fair Default Risk	19,084	1.15	32	62
Moderate Default Risk	1,449	2.63	32	84
Significant Default Risk	643	5.84	30	101
High Default Risk	692	10.29	32	135
Special Management	270	27.98	31	157
Default	993	100.00	36	244
Total Corporate	46,213	3.29	34	55
Sovereign				
Minimal Risk	10,172	0.01	10	1
Low Risk	31	0.07	30	16
Satisfactory Risk	29	0.37	18	21
Fair Default Risk	15	1.38	51	150
Moderate Default Risk	1	1.93	52	109
Significant Default Risk	-	-	-	-
High Default Risk	_	-	-	-
Special Management	_	-	-	-
Default	_	-	-	-
Total Sovereign	10,248	0.01	10	2
Bank				
Minimal Risk	3,709	0.03	26	7
Low Risk	919	0.07	20	10
Satisfactory Risk	78	0.22	35	36
Fair Default Risk	118	1.31	36	73
Moderate Default Risk	]	-	-	-
Significant Default Risk	-	-	-	-
High Default Risk	_	-	-	-
Special Management	_	-	-	-
Default	-	=		
Total Bank	4,824	0.07	25	9

<sup>(1)</sup> Total exposure includes loans outstanding and EAD on undrawn commitments and represents exposure at default (EAD), after credit mitigation.

# **Exposures Covered By Credit Risk Mitigation**

(\$ millions except as noted)



	De	December 31, 2008					
	Stand	Standardized Eligible Credit					
	Eligible						
	Financial	Derivatives/	Derivatives/				
Counterparty Type	Collateral	Guarantees	Guarantees				
Corporate	-	-	1,663				
Sovereign	-	-	-				
Bank	-	-	-				
Total Corporate, Sovereign and Bank	-	-	1,663				
Residential Mortgages	-	-	1,464				
HELOC's	-	-	-				
Other Retail (excluding QRR and SME)	-	-	-				
Qualifying Revolving Retail	-	-	-				
Retail SME	-	-	1				
Total Retail	-	-	1,464				
Total		-	3,127				

# AIRB Credit Risk Exposures - Credit Commitments (\$ millions except as noted)

	Decembe	December 31, 2008		
	Notional	EAD on		
Counterparty Type	Undrawn	Undrawn		
Corporate	24,284	11,413		
Sovereign	89	42		
Bank	2,456	1,154		
Total Corporate, Sovereign and Bank	26,829	12,609		
Residential Mortgages	64	-		
HELOC's	2,904	2,264		
Other Retail (excluding QRR and SME)	1,458	805		
Qualifying Revolving Retail	958	866		
Retail SME	615	4		
Total Retail	5,999	3,939		
Total	32,828	16,548		

# Securitization Portfolio Exposure (1)



	December 31, 2008						
Exposure type	Total Outstanding Securitization Exposures Retained/Purchased (2)		Delinquent Portion of Total Outstanding Securitization Exposures		Securitization Activity for the Current Period		
Exposure type	Retained	Purchased	Total	Impaired & Past Due	Recognised Losses	Exposures Securitized	Recognised Gain/Loss on Sale
Residential Mortgages	874	641	1,515	2	-	4,304	84
Loans to Corporates or SMEs	-	254	254	-	-	-	-
Other	212	362	574	-	-	-	-
Total	1,086	1,257	2,343	2	-	4,304	84

	December 31, 2008					
	Securitization Exposures					
External Credit Assessment (S&P)	Retained	Purchased	Total			
AAA to AA-	898	984	1,882			
A+ to A-	38	19	57			
BBB+ to BBB-	-	-	-			
BB+ to BB-	-	-	-			
B+ and below or unrated	150	254	404			
Total	1,086	1,257	2,343			

<sup>(1)</sup> Securitization information is presented here for information only.

For capital adequacy purposes, securitization exposures are currently included in the EAD of the Basel II counterparty category to which the exposures relate, including all assets securitized by the bank still outstanding of \$7,300 million.

<sup>(2)</sup> All securitization exposures result from traditional securitization transactions.

#### **Basel II Glossary**



Advanced Internal Ratings Based (AIRB) approach for credit risk - Under this approach, banks use their own internal historical experience of PD, LGD, EAD and other key risk assumptions to calculate credit risk capital requirements.

Bank - Includes exposures to deposit taking institutions, securities firms and certain public sector entities.

Commitments (Undrawn) - The amount of credit risk exposure resulting from the unutilized portion of an authorized credit line/committed credit facility.

Corporate - Includes exposures to corporations, partnerships and proprietorships.

**Drawn -** The amount of credit risk exposure resulting from loans advanced to a borrower.

Exposure At Default (EAD) - An estimate of the amount of exposure to a customer at the time of default.

Home Equity Lines of Credit (HELOC's) - Revolving personal lines of credit secured by home equity.

Loss Given Default (LGD) - An estimate of the economic loss, expressed as a percentage (0%-100%) of the exposure at default, that the Bank will incur in the event a borrower defaults

OTC Derivatives - Includes over-the-counter derivatives contracts.

Other Off Balance Sheet Items - Includes all off-balance sheet arrangements other than derivatives and undrawn commitments, such as standby letters of credit and letters of guarantee.

Other Retail - Includes all other personal loans.

**Probability of Default (PD)** - An estimate of the likelihood of a customer defaulting on any credit related obligation within a 1 year time horizon, expressed as a percentage.

Qualifying Revolving Retail (QRR) - Includes credit cards and unsecured lines of credit extended to individuals.

Repo-Style Transactions - Includes repurchase and reverse repurchase agreements and securities borrowing and lending.

Retail SME - Includes small business loans.

Sovereign - Includes exposures to central governments, central banks, multilateral development banks and certain public sector entities.

**Standardized Approach for credit risk** - Under this approach, banks use a standardized set of risk-weights as prescribed by OSFI to calculate credit risk capital requirements. The standardized risk-weights are based on external credit assessments, where available, and other risk-related factors, including exposure asset class, collateral, etc.