Global Economic Research

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Real Estate Trends

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Canada's Housing Market Comes Off The Boil

After many false calls, there is now convincing evidence that Canada's housing market has come off the boil. Home resales, having fallen for four consecutive months, are running about 15% below last summer's historic peak. Average annual home price appreciation has eased back into the mid single digits, as rising new listings bring overall market conditions into better balance. Adjusted for inflation, the average resale home price in Canada registered its first quarterly decline in seven years in the first quarter of 2008.



Cracks are appearing on the new home front as well. While housing starts in early 2008 are essentially tracking last year's elevated levels, demand for new residential building permits has fallen sharply, both for single-family and multiple-unit projects. Price increases for new homes are moderating, while inventories of unsold new homes are trending higher.

Inhospitable weather in much of the country was likely a dampening factor on the sector's early 2008 performance. Among highly sought-after properties, reports of bidding wars are not uncommon. Home renovation expenditures are still extremely buoyant. Overall, however, the softening in housing demand and price appreciation is consistent with usual late-cycle developments: reduced affordability, limited pent-up demand and

increased supply.

We expect overall sales volumes in 2008 to total about 15% below last year's record levels, and home prices to increase on average by about 5%. Price gains should slow further in 2009 with the return of a 'balanced' market for the first time in a decade. Meanwhile, housing starts are projected to gradually moderate, returning toward underlying annual household formation levels of around 180,000 by the end of the decade, from the current 225,000 unit range.

From a regional perspective, the cooling in overall activity is most notable in many of Canada's hottest urban housing markets in recent years, including Calgary and Edmonton. Both centres have officially moved into buyers' territory as soaring prices weaken demand and fuel new listings. More generally, however, economic conditions continue to favour the resource-rich markets in the West over manufacturing-dominated centres in Central Canada hampered by a strong Canadian dollar and softening U.S. import demand. Regina and Saskatoon are currently in the strongest sellers' position nationally, supported by good affordability, rising population inflows and tight supply.

Scotia Economics

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Risk Of A Major Correction Still Low

Canada's recent record of home price appreciation, averaging an annualized 10% from 2002 to 2007, was unsustainable, and a return to more historical norms is a welcome development. The faster and longer home prices climb, the greater the risk of an eventual price correction. Canada's last two major housing booms of the 1970s and 1980s were both followed by some degree of real price stagnation or decline — an essential ingredient to restoring affordability and generating renewed pent-up housing demand.



The downcycles following the prior two housing booms lasted 8-9 years (1977-1984 and 1990-1998), during which peak-totrough real home prices fell 24% and 15%, respectively. Most of the price decline was due to inflation erosion, with nominal home prices falling in only two years between 1977-1984 and in only three years between 1990-1998. Home prices tend to be 'sticky' on the downside, as homeowners and investors are reluctant to sell in a soft market.

If historical patterns repeat, the post-boom era could prove persistent. Looking at a number of important benchmarks, however, we believe the current cycle has less downside risk, as it appears to be built on a stronger economic foundation than those of the 1970s and 1980s. Canada's housing market also fares well using these metrics against other major developed nations, including the United States.



First, home prices in Canada are not substantially overvalued. Our long-term housing price model puts average home prices in 2007 at about 8% above their long-term trend, compared with a premium of 12% and 18%, respectively, at the 1976 and 1989 housing cycle peaks. Recent IMF estimates placed Canada at the bottom rungs of international home price overvaluation.

Second, there is still little evidence of widespread speculative home buying that often accompanies the late stages of a

housing boom. Rather, real price trends remain largely consistent with short-term supply-demand dynamics (measured by the ratio of salesto-new listings), with the tightest regional markets witnessing the biggest price gains. Third, Canada's real estate market is not overbuilt. While inventories of unsold homes are trending higher, the number of unabsorbed units, including condominiums, remains well below prior cyclical peaks in most major centres. Tighter lending guidelines and high construction costs have likely contributed to a more cautious approach among builders.

Fourth, households, for their part, are not overleveraged. Home equity as a share of real estate assets is near record highs, with price appreciation outpacing the rise in mortgage obligations. Mortgage carrying costs as a share of disposable incomes are historically low (though edging higher) despite rising home prices.

Finally, overall mortgage quality is still sound. Canadian lenders have maintained conservative loan qualifying criteria in recent years even while introducing a range of new products, including interest-only mortgages, no downpayment mortgages, and extended amortization of up to 40 years. Canada does not have ultra-low teaser rate mortgages that have contributed heavily to U.S. defaults as they reset. Adjustable-rate mortgages, sub-prime lending, borrowing against home equity, and insured investor mortgages all account for a much smaller share of the Canadian mortgage market than in the United States.

At the end of the day, we predict a soft landing for the Canadian housing market, with somewhat lower sales and construction, and a period of relatively flat inflation-adjusted home prices. While underlying domestic housing fundamentals remain healthy, a major risk to the outlook would be a deeper and more protracted downturn in the U.S. economy, with more serious repercussions for domestic output, employment and income growth. Tighter credit conditions and heightened global financial market volatility in the wake of the U.S. sub-prime mess pose additional downside risks to the sector's overall performance.



Canadian Residential Markets



Inventories of Unsold New Homes





Housing Starts

Mortgage Rates



	Housing Starts									
	Canada	B.C.	Alberta	Sask.	Manitoba	Ontario	Quebec	Atlantic		
(000s units, sa)										
2003	218	26.2	36.2	3.3	4.2	85.2	50.3	13.1		
2004	233	32.9	36.3	3.8	4.4	85.1	58.4	12.5		
2005	225	34.7	40.8	3.4	4.7	78.8	50.9	12.1		
2006	227	36.4	49.0	3.7	5.0	73.4	47.9	12.0		
2007	228	39.2	48.3	6.0	5.7	68.1	48.6	12.4		
2008ytd	229	39.0	39.9	6.4	5.6	78.2	47.2	13.1		
2008f	212	36	42	6	5	65	46	12		
2009f	192	32	39	4	5	61	41	10		
(units, nsa)	Vancouver	Calgary	Edmonton	Toronto	Ottaw a	Montreal	Halifax	St. John's		
2003	15,626	13,642	12,380	45,475	9,182	24,321	3,066	1,604		
2004	19,430	14,008	11,488	42,115	10,470	28,673	2,627	1,834		
2005	18,914	13,667	13,294	41,596	7,105	25,317	2,451	1,534		
2006	18,705	17,046	14,970	37,080	8,808	22,813	2,511	1,275		
2007	20,736	13,505	14,888	33,293	9,294	23,233	2,489	1,480		
2008ytd	20,073	17,256	8,994	37,587	7,740	22,224	1,815	198		

Source: Canadian Mortgage and Housing Corporation (CMHC), Scotia Economics calculations and forecasts. Year-to-date data are expressed at annual rates.



Housing Cost Trends

Canadian Residential Markets



Existing Home Sales & Prices

MLS Home Sales

	Cana	ada	British Co	olumbia	Albei	ta	ManS	ask.	Onta	rio	Queb	ec	Atlan	tic
	Avg. Price	Units	Avg. Price	Units	Avg. Price	Units	Avg. Price	Units	Avg. Price	Units	Avg. Price	Units	Avg. Price	Units
2003	207,111	435,070	259,968	93,095	182,845	51,334	106,070	19,221	226,824	184,457	151,881	67,130	122,398	19,352
2004	226,337	460,790	289,107	96,385	194,769	57,460	115,850	20,270	245,230	197,353	171,099	69,296	130,844	19,631
2005	249,165	483,927	332,224	106,310	218,266	65,866	129,480	21,073	262,949	197,140	184,583	70,649	142,177	22,444
2006	276,883	484,027	390,963	96,671	285,383	74,350	142,742	22,158	278,364	194,930	194,024	72,520	148,277	22,851
2007	307,265	520,747	439,123	102,812	356,235	71,430	171,609	25,982	299,544	213,379	208,240	80,338	158,589	26,258
2008ytd	316,421	468,204	476,459	90,168	364,616	59,536	198,909	27,028	301,130	190,596	217,779	75,720	166,958	24,620

Vancouver Calgary Edmonton Toronto Ottaw a Montreal Halifax Avg. Price Units 2003 329,447 39,022 211,155 24,359 165,541 16,277 293,308 79,366 219,713 12,877 166,930 47,436 162,486 5,813 2004 373,877 37,972 222,860 26,511 179,610 17,652 315,266 84,854 238,152 13,457 189,050 48,564 175,132 5,516 2005 425,745 42,222 250,832 31,569 193,934 18,634 336,176 85,672 248,358 13,300 203,720 49,506 189,196 6,698 2006 509,876 36,479 346,675 33,027 250,915 21,984 352,388 84,842 257,481 14,003 215,659 50,106 203,178 6,462 2007 570,795 38,978 414,066 32,176 338,636 20,427 377,029 95,164 273,058 14,739 229,902 56,151 216,339 7,261 2008ytd 620,894 35,216 423,732 24,456 349,591 17,992 376,931 81,664 285,593 13,532 225,546 6,448 na na

Source: Canadian Real Estate Association (CREA), Scotia Economics calculations. Year-to-date data are expressed at seasonally adjusted annual rates.



Canadian Non-Residential Markets



Office Markets





Industrial Markets

Industrial Vacancy Rates Largest Four Markets





Building Permits





U.S. Residential Markets



Source: U.S. Census Bureau, Scotia Economics calculations and forecasts. Year-to-date data are expressed at seasonally-adjusted annual rates.



U.S. Residential Markets



New and Existing Home Inventories



8 Consumer Price Index, y/y % change 0 0 Consumer Price Index, y/y % change 0 Consers' Equivalent Rent Rent of Primary Residence 0 86 88 90 92 94 96 98 00 02 04 06 08

Apartment Vacancy Rates



		Existing Home Sales								New Home Sales			
	Total	Avg Price (\$000s)	Months' Supply	West	South	Midwest	North East	Total	Avg Price (\$000s)	Months Supply			
	(sa)	(nsa)	(nsa)		(m.	illion units, s	s otherwise	noted)					
2003	6.178	223.0	4.7	1.405	2.284	1.469	1.020	1.091	243.7	3.9			
2004	6.778	243.0	4.3	1.575	2.540	1.550	1.113	1.201	271.5	4.0			
2005	7.076	266.1	4.4	1.617	2.702	1.588	1.169	1.279	290.0	4.5			
2006	6.478	269.5	6.4	1.346	2.563	1.483	1.086	1.049	303.5	6.4			
2007	5.652	263.8	8.7	1.084	2.235	1.327	1.006	0.773	307.8	8.4			
2008vtd	4.950	243.5	9.6	0.930	1.953	1.203	0.867	0.569	293.2	10.3			

Housing Cost Trends



U.S. Non-Residential Markets



Largest Five Markets 30 % Dallas-Fort Worth 25 20 Los Angeles 15 10 Chicago 5 Washington, D.C. Manhattan 0 00 01 02 08 03 04 05 06 07

Office Vacancy Rates

Construction Investment



Industrial Vacancy Rates Largest Five Markets



	Total	Residential	Manu- facturing	Office & Commercial	Institutional	Infra- structure	Private	Publi
				(US\$ bi	llions)			
2003	921.4	481.2	21.5	111.7	136.2	170.9	705.3	216.1
2004	1023.5	570.3	23.8	121.8	138.3	169.2	803.3	220.2
2005	1132.1	647.0	30.0	128.8	144.4	181.9	898.0	234.2
2006	1192.2	647.4	34.5	148.2	159.3	202.9	937.0	255.2
2007	1161.7	532.5	38.0	180.2	181.1	229.9	875.0	286.7
2008ytd	1130.8	465.8	45.8	189.4	188.3	241.5	836.2	294.7

annual rates.