

Economics and Strategy

July 22, 2016

FINANCIAL MARKETS

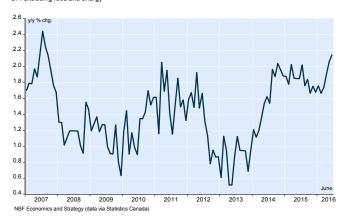
A division of National Bank of Canada

- What we'll be watching (p. 3)
- Calendar of upcoming releases (p. 5)
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Week in review

Canada — The consumer price index rose 0.2% in June, allowing the year-on-year inflation rate to remain unchanged at 1.5%. In seasonally adjusted terms, CPI also rose 0.2% as higher prices for clothing/footwear, transportation, shelter, household operations and health care more than offset price declines for food and alcohol/tobacco, while prices for recreation were flat. The core CPI, which excludes eight of the most volatile items, was flat, which allowed the year-on-year core inflation rate to remain unchanged at 2.1%. In seasonally-adjusted terms, core CPI was up 0.2%. Excluding food and energy, the annual inflation rate is now 2.1%, the highest since 2007. Prices have been hot lately particularly for imported items such as clothing/footwear. In Q2, CPI grew 1.6% year-on-year for the headline and 2.1 % for the core measure, matching the Bank of Canada's latest Monetary Policy Report estimates. So, prices are evolving in line with the central bank's expectations, meaning there's no reason to expect a sudden change in the monetary policy stance.

Canada: Inflation on the rise



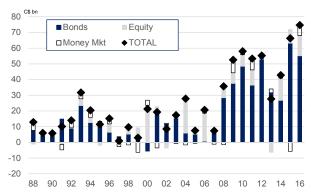
Retail sales rose 0.2% in May with increases in 6 of the 11 subsectors. Sales of autos/parts dealers fell 2% but that was more than offset by a sharp 0.9% increase in ex-autos sales.

Boosting ex-auto sales were gasoline station receipts (+2.3 % due to higher pump prices), but there were also gains observed for sellers of electronics, health/personal care products, clothing, food/beverage and miscellaneous items which more than offset declines for furniture, sporting goods, building materials, general merchandise. In real terms overall retail sales was up just 0.1%. The small retail gains for May, while encouraging, do not change the picture for Q2, i.e. a sharp moderation in Canadian consumption spending after a strong first quarter. Indeed, assuming no change in June, retail volumes are tracking a contraction in Q2, and that for the first time since 2015Q1. That's consistent with a GDP contraction in the second quarter of the year.

Wholesale sales jumped a consensus-topping 1.8% in May, with gains in six of the 7 broad subsectors. Inventories were down 0.1%, however. In real terms, wholesale sales were up 1.5%.

International securities transactions data showed foreign investors accumulating a net \$14.7 billion of Canadian securities in May. Net purchases of Canadian bonds, at \$17.3 billion, were even stronger than the headline figure of overall foreign buying because non-residents were net sellers of Canadian money market paper (unwinding a net \$3.4 billion of the prior month's sizeable \$6.0 billion net inflow) and were relatively inactive in Canadian equities (net buying of just ~\$800 million). In the first five months of 2016, net portfolio inflows totalled C\$74.6 bn, the largest on records, with increases for bonds (+C\$55.1 bn), equities (+C\$13 bn), and money market instruments (+C\$6.5 bn).

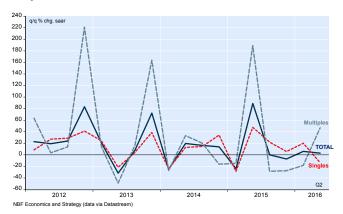
Record foreign purchase of Canadian securities in first 5 months of 2016 Net foreign purchases of Canadian securities over January-May period, by year



NBF Economics and Strategy (data via Statistics Canada)

United States — Housing starts rose 4.8% to a 4-month high of 1189K in seasonally adjusted annualized terms in June. Multiple starts rose 5.4% while single family starts were up 4.4%. Building permits rose 1.5% to 1153K in June with gains for both multis (+2.5%) and single family homes (+1.0%). For Q2 as a whole, housing starts were up 2.9% annualized, as gains for multiple units (+47% is the first increase in four quarters) were offset by declines for singles (-13% is the first decline in five quarters). With such a heavy tilt towards multis (which carry lower value-added per unit compared to say singles), the contribution of residential construction to Q2 GDP is likely to be less important than the prior quarter.

U.S.: Construction of single family homes fell in Q2 Housing starts



Existing home sales jumped a consensus-topping 1.1% in June to 5.57 million units, the highest since early 2007. The increase was due to both single family units (+0.8%) and multis (+3.2%). The months supply of homes at current sales rate fell to 4.6. The median resale price rose to \$247,700 and is now 4.8% higher than year-ago levels (+5% for singles and +3.2% for multis). Only 22% of June sales were made to cash buyers, while the share of distressed sales in total sales was just 6%, both at their lowest in months.

The **weekly jobless claims** report showed initial claims remaining roughly unchanged at 253K in the week of July 16th. The more reliable 4-week moving average edged down slightly to reach 258K. Continuing claims for the prior week fell 25K to 2.128 million.

The **Philadelphia Fed index of manufacturing activity** fell to -2.9 in July (from +4.7 the prior month). While employment remained in contraction mode, shipments and new orders were both in expansion.

Markit's flash/preliminary estimate of the **manufacturing purchasing managers index** ended up at an 8-month high of 52.9 in July. A reading above 50 implies expansion in manufacturing activity. The production, new orders, and employment sub-indices expanded at a faster rate than the prior month.

World — The European Central Bank left monetary policy unchanged at its meeting this week. The central bank said that over the coming months it will be in a better position to reassess the economic outlook and the risks to the growth and inflation projections. There was no discussion about the monetary policy instruments that may be considered or about changes to QE's eligibility rules of bond purchases if ever more action was needed. Still, ECB President Draghi pointed out that the central bank has proven its ability to adapt its policy in order to achieve the targets set for QE and stands ready to act if needed. Specifically referring to Brexit, Mr Draghi said the impacts on the Eurozone will depend on how long the negotiations with the UK will last and what will be the outcome. A fair portion of the press conference was devoted to the situation of Italian banks and non-performing loans. Mr Draghi said the situation will take time to be resolved, but indicated he is favorable to public support for banks in exceptional circumstances.

Flash manufacturing purchasing managers indices for the month of July were released by Markit for a range of countries. Japan's PMI rose to 49 (from 48.1 the prior month). Output and new orders continued to contract, while employment improved somewhat. The UK's PMI fell to a 41-month low of 49.1 with declines in both output and new orders, while the eurozone's PMI fell to 52.9. Markit also released services purchasing managers indices for July, with the eurozone's measure falling to an 18-month low of 52.7 and the UK's measure sinking to an 88-month low of 47.4, i.e. well in contraction territory.

What we'll be watching

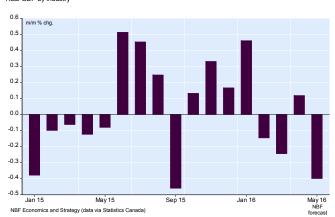


In Canada, the highlight of the week will be May GDP results. Alberta's wildfires interrupted economic activity in Fort McMurray during the month, significantly curtailing output from the oil sands. Also

weighing on May GDP were lower sales volumes reported in the manufacturing sector. While we may see contributions to growth from sectors such as retailing, wholesaling and arts/recreation, those will probably not be enough to offset declines elsewhere. Overall, the economy could have contracted about 0.4% in May. The **Survey of Employment, Payrolls and Hours** for May will also be scrutinized for additional clues about the state of the Canadian labour market.

	Previous	NBF forecasts
GDP (May m/m chg.)	0.1%	-0.4%

Canada: Output slump in May due to Alberta's wildfires



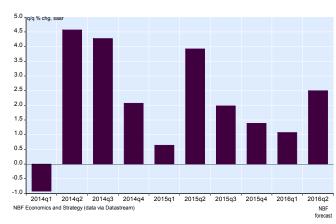


In the U.S., the Bureau of Economic Analysis will release on Friday its advance estimate of Q2 GDP, as well as revisions for the prior three years. Monthly reports suggest economic growth bounced back in the second

quarter after a poor start to the year. Trade and investment both seem to have stabilized somewhat after earlier declines, while domestic demand got a lift from consumption spending based on healthy retail results. Overall, GDP growth may have ended up near 2.5% annualized in the second guarter. And that, despite an expected drag from inventories for a fourth consecutive quarter. Durable goods orders likely remained weak in June thanks primarily to civilian aircrafts, while new home sales likely bounced back in June after outsized declines the prior month. The highlight of the week, however, will be the Fed meeting on Wednesday. Economic data improved with consensus-topping June figures for employment, industrial output and retail spending. That's not to say the FOMC is ready to resume rate hikes. If it was, it would not have downgraded its growth forecasts significantly in last June's Summary of Economic Projections. Brexit has raised downside risks to global economic growth and the Fed will appreciate the potential spillover effects to the US economy. Moreover, inflation pressures remain elusive as evidenced by an annual core PCE deflator which has been stuck well below the Fed's 2% target for four consecutive years. All told, the Fed should keep interest rates unchanged while acknowledging the improving domestic economy, but with a cautious tone given enhanced downside risks to the global economic outlook.

	Previous	NBF forecasts
GDP (Q2 q/q chg. saar)	1.1%	2.5%
Durable goods orders (June m/m chg.) ex-transportation (June m/m chg.)	-2.3% -0.3%	-1.0% 0.0%
FOMC rate	0.50%	0.50%

U.S.: Economic growth likely accelerated in Q2 Real GDP



What we'll be watching



Elsewhere around the world, the eurozone's preliminary estimate of the consumer price index for July will be released this week, along with the unemployment rate for the month of June. We'll also get the eurozone's Q2 GDP results. In Japan, a very busy week will give some idea about the handoff to Q3 with June data on

retail sales, industrial production, housing starts, and employment. Inflationary pressures will also be assessed thanks to CPI for June. The Bank of Japan's meeting will be watched closely as usual, with markets expecting additional stimulus in light of a stagnating economy and persistently below-target inflation.

Economic calendar - Canada & U.S.



	-		Economic releas				Mar	Earnings annour			
	Time	Country	Release	Period	Previous	Consensus Estimate	NBF Estimate	Company	Time	Qtr	Cons. EPS
						Estillate					EFS
									Ī		
								Capital Power Corp		Q2 2016	0.18
								Canadian National Railway Co		Q2 2016	1.06
								PrairieSky Royalty Ltd		Q2 2016 Q2 2016	0.01 1.61
								Roper Technologies Inc Danaher Corp		Q2 2016 Q2 2016	1.21
Monday								Rockwell Collins Inc		Q2 2016 Q3 2016	1.58
								Kimberly-Clark Corp		Q2 2016	1.47
Jul 25								Texas Instruments Inc		Q2 2016	0.73
								Express Scripts Holding Co		Q2 2016	1.57
								Gilead Sciences Inc		Q2 2016	3.02
								AvalonBay Communities Inc	Aft-mkt	Q2 2016	2.02
								Eastman Chemical Co	0:00	Q2 2016	1.73
	9:45	US	Markit US Services PMI	Jul P	F4.4			Norbord Inc	C:00	00.0046	0.46
	10:00	US	Consumer Confidence Index	Jul	51.4 98.0	95.5		Colliers International Group Inc		Q2 2016 Q2 2016	0.46 0.55
	10:00	US	New Home Sales	Jun	551k	560k	560k	Canfor Corp		Q2 2016 Q2 2016	0.33
	10:00	US	New Home Sales MoM	Jun	-6.00%	1.60%	1.60%	Toromont Industries Ltd		Q2 2016	0.49
		00	New Florid Guids Mon	oun	0.0070	1.00 /6	1.0070	DH Corp		Q2 2016	0.52
Tuesday								Centerra Gold Inc		Q2 2016	0.07
11.00								Alaris Royalty Corp		Q2 2016	0.43
Jul 26								WestJet Airlines Ltd		Q2 2016	0.28
								McDonald's Corp	Bef-mkt	Q2 2016	1.39
								Verizon Communications Inc	7:30	Q2 2016	0.92
								зм Со	7:30	Q2 2016	2.06
								Apple Inc	16:30	Q3 2016	1.39
	7:00	US	MBA Mortgage Applications	Jul-22	-1.30%			Gildan Activewear Inc	Rof-mkt	Q2 2016	0.42
	8:30	US	Durable Goods Orders	Jun P	-2.30%	-1.00%	-1.00%	CGI Group Inc		Q3 2016	0.88
	8:30	US	Durables Ex Transportation	Jun P	-0.30%	0.30%	0.00%	Loblaw Cos Ltd		Q2 2016	0.94
	10:00	US	Pending Home Sales MoM	Jun	-3.70%	1.80%		Intact Financial Corp		Q2 2016	0.61
	14:00	US	FOMC Rate Decision (Upper Bound)	Jul-27	0.50%	0.50%	0.50%	FirstService Corp		Q2 2016	0.52
ANAMA OF THE PROPERTY.	14:00	US	FOMC Rate Decision (Lower Bound)	Jul-27	0.25%	0.25%	0.25%	Open Text Corp	16:00	Q4 2016	0.94
Jul 27								Goldcorp Inc	Aft-mkt	Q2 2016	0.03
Jul 21								Kinross Gold Corp	Aft-mkt	Q2 2016	0.01
								Lundin Mining Corp	Aft-mkt	Q2 2016	-0.03
								Suncor Energy Inc	22:00	Q2 2016	-0.25
								Methanex Corp		Q2 2016	-0.25
								Uni-Select Inc	0:00	Q2 2016	0.39
	8:30	US	Initial Jobless Claims	Jul-23	253k			TransCanada Corp	Bef-mkt	Q2 2016	0.52
								Cameco Corp	Bef-mkt	Q2 2016	0.13
								Teck Resources Ltd	Bef-mkt	Q2 2016	0.00
								Baytex Energy Corp	Bef-mkt	Q2 2016	-0.21
Thursday								Potash Corp of Saskatchewan Inc		Q2 2016	0.19
- Indioday								Thomson Reuters Corp		Q2 2016	0.49
Jul 28								Fairfax Financial Holdings Ltd		Q2 2016	1.90
								Yamana Gold Inc		Q2 2016	0.02
								Canadian Real Estate Investment Trust		Q2 2016	0.77
								Maple Leaf Foods Inc		Q2 2016	0.31
								MEG Energy Corp Cenovus Energy Inc		Q2 2016 Q2 2016	-0.38 -0.19
			ļ					Constant Energy min	0.00		0.15
	8:30	US	Employment Cost Index	2Q	0.60%	0.60%		RioCan Real Estate Investment Trust		Q2 2016	0.44
	8:30	CA	GDP MoM	May	0.10%	-0.50%	-0.40%	Air Canada		Q2 2016	0.60
	8:30	US	GDP Annualized QoQ	2Q A	1.10%	2.60%	2.50%	George Weston Ltd		Q2 2016	1.49
	8:30	CA	Industrial Product Price MoM	Jun	1.10%			Imperial Oil Ltd		Q2 2016	0.01
	8:30	US	Personal Consumption	2Q A	1.50%	4.10%		Quebecor Inc		Q2 2016	0.50
	8:30	CA	Raw Materials Price Index MoM	Jun 	6.70%			Canadian Utilities Ltd		Q2 2016	0.43
JUL 29	9:45	US	Chicago Purchasing Manager	Jul	56.8	53.0		Fortis Inc/Canada		Q2 2016	0.44
	10:00	US	U. of Mich. Sentiment	Jul F	89.5	90.5		Enbridge Inc		Q2 2016	0.52
								Enbridge Income Fund Holdings Inc		Q2 2016 Q2 2016	0.54 -0.14
								Bonavista Energy Corp		Q2 2016 Q2 2016	-0.14 -0.11
								Secure Energy Services Inc Avigilon Corp		Q2 2016 Q2 2016	-0.11 0.13
								Arigiloti corp	U:00	W4 40.10	0.13

Source: Bloomberg



Annex - Economic tables

TABLE	- NORTH				VIAL	. IIIUIC	AIUR			
		Jul	ly 22, 20		(0/)					
		_		ly Growth	` '	Annualize			.,	
Growth Rates Unless Otherwise Indicated	Reference <u>Period</u>	Lovel	Past Month	Prev. Month	Month Before	Average of 3 Mos.		Since 12 Mos.	Year-to-	
	renou	<u>Level</u>	ivioriui	IVIOTILIT	<u>Delote</u>	<u>3 IVIOS.</u>	6 Mos.	12 1005.	<u>161.</u>	prec
UNITED STATES										
MONETARY AGGREGATES	*	(\$Billions)		4.0		44.0	7.0	7.0	0.4	
M1	* June 2016	3245	0.3	1.6	1.1	14.2	7.3	7.6	6.1	8.4
M2	* June 2016	12809	0.6	0.6	0.7	7.8	7.3	7.0	6.4	6.0
CREDIT MEASURES										
Consumer Credit	May 2016	3624	0.5	0.4	0.8	6.7	5.5	6.3	6.5	6.9
Mortgage (Banks)	* June 2016	3998	0.5	0.7	0.4	7.0	7.3	6.9	6.6	3.8
Business	* June 2016	2057	0.3	0.7	0.9	12.5	10.8	9.6	10.1	11.8
CANADA										
MONETARY AGGREGATES										
M2+ gross	April 2016	1796	0.6	0.3	0.6	6.7	6.1	6.0	5.9	4.4
Personal Deposits (Banks) (2)	May 2016	882						7.1	6.5	3.4
CREDIT MEASURES	•									
Consumer	April 2016	552	0.4	0.1	0.2	1.9	2.2	2.5	2.4	3.1
Mortgages	April 2016	1383	0.4	0.4	0.5	6.0	6.5	6.2	6.3	5.4
Short - Term Business Loans	March 2016	499	0.6	1.4	-0.1	9.4	10.3	11.5	11.3	9.5
Business (S.T. + L.T.)	May 2016	1777	0.5	0.1	0.1	2.9	4.5	4.7	5.6	8.4
Private (Consumer+Business)	April 2016	3703	0.3	0.2	0.4	4.3	5.0	4.9	5.5	6.5
Gov. of Canada securities outstanding	May 2016	683	1.3	2.0	-0.6	3.4	2.9	4.4	3.7	-0.7
INTEREST AND EXCHANGE RATE										
	Reference Thursday	Last <u>day</u>	1 week ago	2 w. ago	Averag 13 w.	e of last Thu 26 w.	rsdays 52 w.	13 w. <u>ago</u>	26 w. <u>ago</u>	52
	<u> </u>	901	<u>ugo</u>	<u>ugo</u>	<u></u>	20 11.	<u>52 11.</u>	<u>ugo</u>	<u>ugo</u>	
UNITED STATES										
NTEREST RATES										
Federal Funds Target Rate	* 21 July 16	0.50	0.50	0.50	0.50	0.50	0.40	0.50	0.50	C
Prime Rate	* 21 July 16	3.50	3.50	3.50	3.50	3.50	3.40	3.50	3.50	3
3-month Treasury Bills	* 21 July 16	0.31	0.31	0.29	0.27	0.27	0.19	0.23	0.28	0
2-year Bonds	* 21 July 16	0.69	0.67	0.59	0.74	0.77	0.78	0.82	0.85	0
5-year Bonds	* 21 July 16	1.10	1.09	0.96	1.19	1.23	1.39	1.34	1.44	1
10-year Bonds	* 21 July 16	1.56	1.53	1.38	1.68	1.75	1.96	1.87	2.03	2
30-year Bonds	* 21 July 16	2.30	2.25	2.14	2.48	2.56	2.75	2.69	2.81	2
Treasuries 30y 3-m. T.B. EXCHANGE RATE	* 21 July 16	1.99	1.94	1.85	2.20	2.28	2.56	2.46	2.53	2
FED Broad (Jan 97 = 100)	* 15 July 16	121.73	121.22	121.49	120.69	121.76	121.08	120.40	124.50	116
CANADA										
NTEREST RATES	+									
Prime Rate	* 21 July 16	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2
Target overnight rate	* 21 July 16	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	(
30-day commercial paper	* 21 July 16	0.88	0.85	0.87	0.88	0.88	0.85	0.94	0.85	(
3-month Treasury Bills	* 21 July 16	0.47	0.47	0.48	0.51	0.49	0.46	0.55	0.43	(
1-year Treasury Bills	* 21 July 16	0.52	0.52	0.50	0.55	0.53	0.50	0.58	0.41	(
5-year Bonds	* 21 July 16	0.65	0.62	0.53	0.68	0.68	0.74	0.80	0.63	(
10-year Bonds	* 21 July 16	1.10	1.06	0.98	1.23	1.22	1.34	1.33	1.16	
30-year Bonds	" 21 July 16	1./4	1.68	1.56	1.86	1.93	2.07	2.03	1.94	2
SPREADS	* 04 11 4-			,				. =-		
Prime - 30d. Commercial paper	* 21 July 16	1.82	1.85	1.83	1.82	1.82	1.86	1.76	1.85	
Long Term - Short Term	* 21 July 16	1.27	1.21	1.08	1.35	1.44	1.61	1.48	1.51	•
CANADA UNITED STATES SPREADS	* 04 11 4-									
3-month T-Bills	* 21 July 16	0.16	0.16	0.19	0.23	0.21	0.27	0.32	0.15	(
Long Term Bonds	* 21 July 16	-0.56	-0.57	-0.58	-0.61	-0.63	-0.68	-0.66	-0.87	-(
EXCHANGE RATE										
US\$ /CDN\$ (GTIS)	* 21 July 16	0.7641	0.7757	0.7691	0.7750	0.7621	0.7548	0.7852	0.7011	0.7
Trade-weighted (1990=100) G-10	* 21 July 16	89.8	90.4	90.2	90.3	89.0	88.4	91.8	82.1	9
STOCK INDICES			Month	ly Growth	(%)	Gr	owth Over	(%)		
	Reference	_	Past	Prev.	Month				Year-to	
Davidance (ILC.)	Thursday	<u>Level</u>	Month	Month	<u>Before</u>			1 Year	ref.	<u>p</u>
Dow Jones (U.S.)	* 21 July 16	18517.2	3.9	1.9	-2.7	3.0	16.6	3.3	7.3	
S&P 500 (U.S.)	* 21 July 16	2165.2	3.7	1.8	-1.9	3.5	15.8	2.2	7.1	
NASDAQ (U.S.)	* 21 July 16	5073.9	4.8	1.6	-3.6	2.6	13.5	-2.6	2.1	
S&P/TSX (Can.)	* 21 July 16	14565.8	4.0	0.7	0.3	4.9	21.0	1.3	11.7	



Annex - Economic tables

TABLE	2 - UNITE	D STA	TES F	CONC	DMIC I	NDICA	TORS	;		
			ıly 22, 20		🔾 1		., ., ., .,			
			hly Growth		Annualiz	ed Growth (9	%)			
Growth Rates Unless	Reference	Past	Prev.	Month		rage of the I		Since	Year-to-da	ate (9)
Otherwise Indicated	Period	<u>Month</u>	Month	<u>Before</u>	3 Mos.	<u>6 Mos.</u>	12 Mos.	<u>12 Mos.</u>	<u>ref.</u>	pre
dex of 12 Leading Indicators	* June 2016	0.3	-0.2	0.5	1.7	0.3	2.4	0.7	1.5	5
onsumer Confidence Index (1985=100) 5.M. Manufacturing Index (level)	June 2016 June 2016	98.0 53.2	92.4 51.3	94.7 50.8	95.0 51.8	95.5 50.8	96.3 50.3	99.8 53.1	95.5 50.8	98 52
- Non-manufacturing (level)	June 2016	59.5	55.1	58.8	57.8	57.5	59.3	61.5	57.5	60
• • •										
OMESTIC DEMAND ales new autos & light trucks (000,000)	June 2016	16.7	17.5	17.4	17.2	17.2	17.5	17.0	17.2	17
etail Sales	June 2016	0.6	0.2	1.2	5.9	1.7	2.4	2.7	2.7	
- Motor vehicle	June 2016	0.1	-0.5	2.6	1.3	-1.1	4.4	1.0	2.6	
- Other	June 2016	0.7	0.4	0.9	7.1	2.4	1.9	3.2	2.7	
onsumer Spending: Total (\$ current) Total (\$ constant)	May 2016 May 2016	0.4 0.3	1.1 0.8	0.0 -0.1	-8.4 3.0	-0.3 2.4	2.7 2.9	-6.2 2.7	1.8 2.7	
ersonal Income	May 2016	0.3	0.5	0.3	3.8	3.9	4.4	4.0	4.3	
ersonal Savings Rate (3)	May 2016	5.3	5.4	6.0	5.6	5.6	5.3	4.8	5.6	
ew Orders	May 2016	-1.0	1.8	1.7	6.4	-4.9	-5.1	-1.2	-2.7	-
- Non-Defence Capital Goods exc. Aircraft nfilled Orders	May 2016 May 2016	-0.4 0.2	-0.9 0.6	0.3	-4.2 0.6	-7.8 -1.7	-4.2 -1.8	-3.8 -0.9	-4.3 -1.9	-
usiness Inventories	May 2016	0.2	0.0	0.3	1.6	0.0	1.7	1.0	1.1	
ventories / Shipments Businesses	May 2016	1.40	1.40	1.41	1.40	1.41	1.39	1.37	1.41	1
lanufacturers' Shipments	May 2016	0.0	0.4	0.3	0.6	-5.4	-4.2	-3.2	-3.4	
lanufacturers' Inventories	May 2016	-0.1	-0.1	-0.1	-2.2	-3.9	-2.2	-3.0	-2.9	1
ventories / Shipments Manuf. ousing Starts (000) (1)	May 2016 * June 2016	1.36 1189	1.36 1135	1.37 1155	1.36 1160	1.37 1156	1.36 1150	1.36 1213	1.37 1156	1
ew Home Sales, single-family	May 2016	-6.0	12.3	-0.6	18.8	23.9	7.9	8.7	5.4	2
xisting Home Sales, s.f. & condos	* June 2016	1.1	1.5	1.3	16.3	3.8	4.9	3.0	4.6	
RODUCTION										
dustrial Production	June 2016	0.6	-0.3	0.5	-1.0	-2.0	-1.1	-0.7	-1.4	
- Consumer Goods	June 2016	1.1	-0.8	1.3	1.0	0.1	1.1	1.6	0.7	
- Hitech goods	June 2016	-0.3	0.3	-0.2	0.1	6.6	1.7	3.6	3.3	
XTERNAL AND FISCAL BALANCES										
xports	May 2016	-0.2	1.4	-1.1	0.1	-5.9	-5.7	-4.2	-4.9	-
nports	May 2016	1.6	2.0	-4.6	-7.8	-6.2	-4.7	-3.1	-4.7	-
erch. Trade Balance (\$ billions)	May 2016	-41.1 -61.1	-37.4 -57.5	-35.5 -56.1	-38.0 -58.2	-40.3 -60.1	-41.1 -60.0	-40.2 -58.4	-40.1 -60.0	-4 -5
leal merchandise trade balance ederal budget balance last 12 months (2)	May 2016 June 2016	-523.6	-57.5 -479.3	-50.1 -510.9	-30.2	-00.1	-00.0	-58.4 -433.8	-60.0 -185.3	-5 -13
	555 2010	520.0	0.0	0.0.0				.00.0	.55.0	
NFLATION AND COSTS	lune 0040	0.2	0.2	0.4	2.5	0.7	0.7	1.0	4.4	
onsumer Prices - Excluding Food and Energy	June 2016 June 2016	0.2	0.2	0.4	2.5	0.7 2.4	0.7 2.1	2.3	1.1 2.2	
CE Deflator exc. Food and Energy	June 2016	0.2	0.2	0.1	1.8	1.6	1.5	1.6	1.6	
roducer price index for final demand	June 2016	0.5	0.4	0.2	1.6	0.1	-0.5	0.3	0.0	
verage Hourly Earnings (4)	June 2016	75.4	74.0	75.0	75.0	75.0	2.4	2.4	2.4	-
dustrial Capacity Utilization Rate ledian Price, Single-Family Homes (5)	June 2016 * June 2016	75.4 4.0	74.9 3.6	75.2 4.0	75.2 50.9	75.3 3.0	75.7 5.8	76.4 5.0	75.3 5.5	7
	Julie 2010	₹.0	5.0	7.0	50.5	5.0	5.5	5.0	5.5	
ABOUR MARKET	h.m. 0040				4 4 7	470	004	0454	4000	,
ew Jobs (000) (6) - Manufacturing (000)	June 2016 June 2016	287 14	11 -16	144 5	147 1	172 -4	204 -2	2451 -29	1029 -24	1
- Services (000)	June 2016 June 2016	278	-16 52	156	162	- 4 179	-2 199	2391	-2 4 1076	1:
verage weekly hours (6)	June 2016	0.2	0.0	0.1	0.4	1.4	1.9	1.8	1.8	
ivilian Unemployment Rate (7)	June 2016	4.9	4.7	5.0	4.9	4.9	5.0	5.3	4.9	
ATIONAL ACCOUNTS AND OTHER		Annı	ualized Gro	owth Rate	s					
UARTERLY INDICATORS	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	Q1 2015	<u>2014</u>	<u>2013</u>	<u>2012</u>	
eal GDP Chained 2009 dollars onsumption	1.1 1.5	1.4 2.4	2.0 3.0	3.9 3.6	0.6 1.7	2.1 4.3	2.4 3.1	2.2 2.7	2.3 1.7	
esidential Construction	15.6	10.1	8.2	9.4	10.1	9.9	8.9	1.8	9.5	
usiness Investment	-4.5	-2.1	2.6	4.1	1.6	0.7	2.8	6.2	3.0	
		0.1	4.5	0.0				0.0	0.0	
overnment Spending xports	1.3 0.3	0.1 -2.0	1.8 0.7	2.6 5.1	-0.1 -6.0	-1.4 5.4	0.7 1.1	-0.6 3.4	-2.9 2.8	
xports nports	-0.5	-2.0 -0.7	2.3	3.0	-6.0 7.1	10.3	4.9	3.4	1.0	
hange in Inventories (1) (2)	68.3	78.3	85.5	113.5	112.8	78.2	97.5	68.0	61.4	
	0.4	0.9	1.3	2.1	0.1	0.1	1.0	1.6	1.6	
DP Deflator		3.3 Q4 2015	3.2	2.6	3.9	4.7 O4.2014	3.5	2.7	-1.4	
DP Deflator	4.0		Q3 2015	Q2 2015 3.1	Q1 2015 -0.8	Q4 2014 -1.7	2014 0.7	2013 0.8	2012 0.0	
DP Deflator ersonal Disposable Income	Q1 2016							2.0		
DP Deflator ersonal Disposable Income abour Productivity (4)		-1.7 5.4	2.0 0.4	2.0	2.6	5.7	2.2	2.0	1.2	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4)	Q1 2016 -0.6 4.5 Q1 2016	-1.7 5.4 Q4 2015	0.4 Q3 2015	Q2 2015	Q1 2015	Q4 2014	2014	2013	<u>2012</u>	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$)	Q1 2016 -0.6 4.5 Q1 2016 -498.7	-1.7 5.4 Q4 2015 -453.6	0.4 Q3 2015 -492.4	Q2 2015 -447.6	Q1 2015 -458.2	Q4 2014 -430.9	<u>2014</u> -463.0	<u>2013</u> -392.1	<u>2012</u> -366.4	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4)	Q1 2016 -0.6 4.5 Q1 2016 -498.7 -2.7	-1.7 5.4 Q4 2015 -453.6 -2.5	0.4 Q3 2015 -492.4 -2.7	Q2 2015 -447.6 -2.5	Q1 2015 -458.2 -2.6	Q4 2014 -430.9 -2.4	<u>2014</u> -463.0 -2.6	2013 -392.1 -2.3	-366.4 -2.2	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$) as a % of GDP	Q1 2016 -0.6 4.5 Q1 2016 -498.7	-1.7 5.4 Q4 2015 -453.6 -2.5 Q4 2015	0.4 Q3 2015 -492.4 -2.7 Q3 2015	Q2 2015 -447.6 -2.5	Q1 2015 -458.2 -2.6 Q1 2015	Q4 2014 -430.9 -2.4 Q4 2014	2014 -463.0 -2.6 2014	2013 -392.1 -2.3 2013	2012 -366.4 -2.2 2012	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$) as a % of GDP	Q1 2016 -0.6 4.5 Q1 2016 -498.7 -2.7 Q1 2016	-1.7 5.4 Q4 2015 -453.6 -2.5	0.4 Q3 2015 -492.4 -2.7	Q2 2015 -447.6 -2.5 Q2 2015	Q1 2015 -458.2 -2.6	Q4 2014 -430.9 -2.4	<u>2014</u> -463.0 -2.6	2013 -392.1 -2.3	-366.4 -2.2	
iDP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$) as a % of GDP orporate Profits (8) as a % of GDP	Q1 2016 -0.6 4.5 Q1 2016 -498.7 -2.7 Q1 2016 7.5 10.6	-1.7 5.4 Q4 2015 -453.6 -2.5 Q4 2015 -27.7 10.4	0.4 Q3 2015 -492.4 -2.7 Q3 2015 -6.2	Q2 2015 -447.6 -2.5 Q2 2015 14.8	Q1 2015 -458.2 -2.6 Q1 2015 -21.1	Q4 2014 -430.9 -2.4 Q4 2014 -4.6	2014 -463.0 -2.6 2014 -3.1	2013 -392.1 -2.3 2013 1.7	2012 -366.4 -2.2 2012 2.0	
iDP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$) as a % of GDP orporate Profits (8) as a % of GDP	Q1 2016 -0.6 4.5 Q1 2016 -498.7 -2.7 Q1 2016 7.5	-1.7 5.4 Q4 2015 -453.6 -2.5 Q4 2015 -27.7 10.4	0.4 Q3 2015 -492.4 -2.7 Q3 2015 -6.2 11.4	Q2 2015 -447.6 -2.5 Q2 2015 14.8 11.6	Q1 2015 -458.2 -2.6 Q1 2015 -21.1 11.4	Q4 2014 -430.9 -2.4 Q4 2014 -4.6 12.1	2014 -463.0 -2.6 2014 -3.1 11.2	2013 -392.1 -2.3 2013 1.7 11.6	2012 -366.4 -2.2 2012 2.0 12.1	
DP Deflator ersonal Disposable Income abour Productivity (4) nit Labor Costs (4) urrent Account (current \$) as a % of GDP orporate Profits (8) as a % of GDP	Q1 2016 -0.6 4.5 Q1 2016 -498.7 -2.7 Q1 2016 7.5 10.6	-1.7 5.4 Q4 2015 -453.6 -2.5 Q4 2015 -27.7 10.4	0.4 Q3 2015 -492.4 -2.7 Q3 2015 -6.2	Q2 2015 -447.6 -2.5 Q2 2015 14.8 11.6 Homes S	Q1 2015 -458.2 -2.6 Q1 2015 -21.1 11.4	Q4 2014 -430.9 -2.4 Q4 2014 -4.6 12.1	2014 -463.0 -2.6 2014 -3.1 11.2	2013 -392.1 -2.3 2013 1.7 11.6	2012 -366.4 -2.2 2012 2.0	e



Annex - Economic tables

IABL	.E 3 - CAN				C IND	ICAIC	JK5			
			y 22, 20 ° ly Growth (Δηημοί	lized Growtl	1 (%)			
Growth Rates Unless Otherwise Indicated	Reference Period	Past Month	Prev. Month	Month Before		rage of the I		Since 12 Mos.	Year-to-d	ate (6)
CFIB Business Barometer ®	June 2016	3.0	-1.6	13.1	46.1	-3.2	-9.5	0.9	-7.2	-(
OMESTIC DEMAND										
etail Sales (\$ current)	* May 2016	0.2	8.0	-0.8	3.4	2.8	3.1	3.6	4.9	
- Motor vehicle and parts dealers	* May 2016	-2.0	-0.6	-2.6	-7.1	6.9	8.1	5.3	10.5	4
- Other	* May 2016 * May 2016	0.9 0.1	1.3 0.0	-0.1 -1.1	7.2 1.8	1.4 2.6	1.5 1.8	3.1 2.5	3.1 3.2	
etail Sales (\$ constant)	Way 2010	0.1	0.0	-1.1	1.0	2.0	1.0	2.5	3.2	
lanufacturer's Shipments (\$ current)	May 2016	-1.0	1.0	-0.8	-10.7	-1.7	-0.6	-1.0	0.8	-1
ew Orders	May 2016	0.3	7.7	-2.5	-5.3	-3.3	-2.7	4.2	-1.7	-4
- Durables	May 2016	0.7	13.5	-6.1	-9.1	0.0	-1.0	10.7	-0.6	
nfilled Orders anufacturer's Inventories	May 2016 May 2016	1.3 -0.2	0.5 -0.5	-3.0 -0.4	-13.2 -5.2	-10.6 -4.3	-1.2 1.3	-6.7 -2.3	-9.0 -0.7	1
ventories / Shipments Ratio	May 2016	1.42	1.41	1.43	-5.2 1.42	1.41	1.42	-2.3 1.44	1.41	1.
anufacturer's Shipments (\$ constant)	May 2016	-2.1	1.5	0.1	-4.2	1.8	-0.3	0.2	1.5	
ousing Starts (000) (1)	June 2016 * June 2016	218.3 -0.9	186.7 -1.7	189.1 2.4	198.0 12.4	197.9 10.7	200.7 7.2	201.2 5.7	197.9 9.8	18
umber of existing homes sold (MLS)	June 2016	-0.9	-1.7	2.4	12.4	10.7	1.2	5.7	9.8	
eal Domestic Product	April 2016	0.1	-0.2	-0.1	0.4	1.6	0.9	1.5	1.4	
- Manufacturing	April 2016	0.4	-0.5	-0.6	-0.9	2.5	0.1	1.4	1.2	
- Construction	April 2016	0.0	0.1	-0.2	-0.9	-3.3	-5.1	-2.7	-4.0	-
rvices	April 2016	0.2	0.0	0.1	1.8	2.4	2.0	2.1	2.2	
TERNAL, FISCAL AND EXCHANGE BALAN		^ -	0.5	2.2	07.0	0.4	2.5	2.4	2.2	
ports ports	May 2016 May 2016	-0.7 -0.8	0.5 0.8	-3.8 -2.3	-27.0 -12.3	-6.1 -3.0	-0.5 2.2	-3.4 -2.1	-0.6 -0.1	-
ports - Capital Goods	May 2016	-0.8 -6.3	3.6	-2.3 -2.1	-12.3 -7.9	-3.0 -1.0	3.5	-2.1 -0.3	-0.1 -0.9	
erch. Trade Balance (\$ millions)	May 2016	-3,277	-3,317	-3,147	-3,247	-2,306	-1,966	-2,762	-2,588	-2,
nange in Official Reserves	June 2016	-777	376	1,730	443	628	594	7,126	3,768	7,9
Level (US\$): \$83.5 billion d. budget balance last 12 months (\$ billions)	March 2016	-2.0	4.5	5.9				6.9	Fiscal -2.0	year
FLATION AND COSTS nsumer Prices	* June 2016	0.2	0.4	0.3	4.7	1.4	1.4	1.5	1.5	
- Excluding Food and Energy	* June 2016	0.1	0.4	0.2	4.4	2.2	1.8	2.1	1.9	
- Core inflation (4)	* June 2016	0.0	0.3	0.2	4.0	2.2	2.1	2.1	2.0	
erage Hourly Earnings (2)	June 2016	0.7	0.0	2.2		2.4	2.9	2.0	2.7	
ce of New Housing icluding land g. Price of Existing Homes Sold (MLS)	May 2016 * June 2016	0.7 -0.1	0.3 -0.1	0.2 -0.5	3.0 1.8	2.1 18.4	1.7 11.8	2.7 11.5	2.1 14.4	
dustrial Prices (1992=100)	May 2016	1.1	-0.1 -0.5	-0.5 -0.6	-4.2	-3.2	-0.5	-1.1	-0.9	-
ABOUR MARKET	lun- 0040	0.4	0.4	0.0	0.0	0.7	4.0	0.0	4.0	
abour Force ob creation (000)	June 2016 June 2016	-0.1 -0.7	-0.1 13.8	0.0 -2.1	-0.2 3.7	0.7 7.3	1.0 9.0	0.6 107.6	1.0 43.6	9
- Manufacturing	June 2016	-12.9	12.2	-16.5	-5.7	-8.7	-2.5	-30.3	-52.4	1
- Services	June 2016	45.5	-5.2	35.0	25.1	20.9	14.2	170.6	125.2	12
- Full Time	June 2016	-40.1	60.6	-2.5	6.0	1.2	2.6	31.1	7.1	12
- Part Time	June 2016	39.4	-46.8	0.4	-2.3	6.1	6.4	76.5	36.5	-3
nemployment Rate	June 2016	6.8	6.9	7.1	6.9	7.1	7.0	6.8	7.1	
ITIONAL ACCOUNTS AND OTHER JARTERLY INDICATORS	Q1 2016	Q4 2015	alized Gro	Q2 2015 (Q1 2015	Q4 2014	<u>2015</u>	<u>2014</u>	<u>2013</u>	
OP Chained (2007) \$ susehold consumption	2.4 2.3	0.5 1.8	2.2 2.3	-0.5 2.3	-1.0 -0.1	3.4 2.4	1.1 1.9	2.5 2.6	2.2 2.4	
ousenoia consumption isiness Investments, non-res., mach. & equip		-12.5	2.3 -11.4	-15.5	-0.1	0.9	-10.6	0.0	2.4	
-Machinery and Equipment	-2.7	-8.1	-6.7	-15.7	-5.1	7.2	-2.4	1.0	-6.7	
sidential Construction	11.2	1.8	2.6	0.1	6.6	-0.5	3.8	2.5	-0.4	
overnment Expenditures	1.5	0.4	0.6	2.8	4.7	-0.3	1.7	0.3	0.3	
overnment Fixed Capital Formation	-2.4 1.3	-4.0 -0.3	-1.6 0.3	-0.6 -0.1	1.9 -2.2	6.1 1.7	2.5 0.3	4.0	-6.4 1.3	
nal Domestic Demand ports	1.3 6.9	-0.3 -1.5	0.3 9.0	-0.1 1.2	-2.2 0.9	1.7 -0.2	3.4	1.6 5.3	1.3 2.8	
ports	1.3	-7.0	-2.8	-1.8	0.9	0.3	0.3	1.8	1.5	
ange in Inventories, chained (2007) \$ (5)	-6.9	-5.6	-0.2	6.8	14.6	9.2	3.9	9.9	15.5	
al Disposible Income	2.1	1.1	-2.6	7.4	0.8	2.5	2.6	1.2	3.4	
ersonal savings Rate	3.9	4.2	4.3	5.2	4.8	4.3	4.6	4.2	5.4	
OP Price Deflator rporate Profits (nominal)	-1.1 -8.8	0.0 -19.1	0.0 -5.1	1.8 -2.6	-3.2 -44.1	-2.4 -10.1	-0.5 -15.8	1.7 7.0	1.6 0.8	
as a % of GDP	-0.6 10.7	11.0	11.6	11.8	11.9	13.6	11.6	13.8	13.5	
lust. Capacity Utilization Rate	81.4	80.9	81.2	80.1	81.4	82.5	80.9	82.1	80.8	
bour Productivity, Business Sector	1.5	-0.1	0.6	-3.9	-2.7	1.6	-0.4	2.5	1.3	
nit Labour Cost, Business Sector	-1.1 O1 2016	3.5	-1.5	2.2	5.7	-1.5	1.9	1.1	1.6	
iii Laboui Cost, Business Sector	Q1 2016	-62.8	-61.8	-58.0	-67.9	Q4 2014 -58.3	2015 -62.6	2014 -44.9	2013 -59.7	
	67 1		-01.0			-58.3 -2.9	-62.6 -3.2	-44.9 -2.3	-59.7 -3.0	
	-67.1 -3.4	-3.2	-3.1	-2.9	-3.4	-2.9	0.2			
urrent Account (current \$) (5) as a % of GDP	-3.4		-3.1	-2.9	-3.4	-2.9	0.2			
urrent Account (current \$) (5) as a % of GDP burces: Datasteam and Canadian Real Estate	-3.4		-3.1	-2.9	-3.4	-2.9	0.2			
urrent Account (current \$) (5) as a % of GDP burces: Datasteam and Canadian Real Estate	-3.4 e Association	-3.2								
urrent Account (current \$) (5)	-3.4	-3.2								



Annex - Economic tables

E 4 - PROVI				IC IND	ICATO	DRS			
				A	1 Cth (0/	`			
Reference	Past	Prev.	Month				Since	Year-to-d	late (3)
Period	Month	Month	<u>Before</u>	<u>3 Mos.</u>	6 Mos.	12 Mos.	<u>12 Mos.</u>	<u>ref.</u>	pred
* M2040	4.0	0.4	0.0	4.0	4.0	0.4	5.0	4.7	•
									0. -0.
June 2016	38.4	38.9	32.2	36.5	37.3	39.3	42.0	37.3	32.
* June 2016	0.1	0.1	1.2	7.3	5.9	4.8	5.4	6.1	6.
March 2016	1.3	0.6	0.8	7.8	2.4	2.3	4.0	3.2	2.
May 2016 June 2016	1.9	-2.9	-4.3	-16.2	16.8	2.9 3.1	-0.8 5.8	-0.9 8.8	11. -3.
* June 2016	-0.2	0.2	0.3	3.1	0.9	1.0	0.6	1.0	1
									1
									0
Julie 2016	0.7	1.1	0.0	2.0	2.4	2.1	3.1	2.0	'
June 2016	-11 2	21.6	1.8	41	0.2	2.8	33.3	12	16
									7
June 2016	64.2	64.5	64.5	64.4	64.5	64.7	64.8	64.5	64
* May 2016	0.0	0.3	-0.7	2.0	3.7	5.4	4.1	6.7	3
•									61
June 2016 * June 2016	87.9 0.2	-0.1	2.8	74.7 19.2	76.1 10.3	76.0 7.8	57.8 5.9	76.1 8.4	61 12
March 2016	0.3	0.4	0.0	3.0	4.1	3.8	3.4	3.7	4
May 2016						12.8	7.8	12.6	8
June 2016	-6.6	5.2	9.9	35.1	-0.6	-5.2	-3.3	-4.3	-0
* 1 0010	0.0	0.4	0.5	- 4	0.0	4.5	4.7	4.0	
	0.2	0.4	0.5	5.4	2.0				1
	1.4	0.5	0.2	5.6	3.5				2
* June 2016	1.4	1.4	1.3	15.2	16.7	10.1	13.1	12.2	7
June 2016	-4.2	21.6	-3.3	4.7	6.1	5.2	62.6	36.6	58
June 2016	6.4	6.6	7.0	6.7	6.7	6.7	6.5	6.7	6 65
Julie 2016	65.0	03.2	00.4	65.2	05.5	05.2	65.2	65.5	00
* May 2016	1.0	0.9	-1.7	4.6	-0.4	1.4	3.2	3.1	C
May 2016	-10.6	1.3	19.1	1.7	-36.9	-8.7	-26.5	-19.9	-11
									1
									2
	0.0	-0.5	-1.1	-5.7	-1.5				-3
June 2016	2.5	-3.8	-1.5	-51.3	-34.4	-12.4	-24.7	-14.0	-13
* luno 2016	1 1	0.5	0.5	6.6	1.0	1 2	2.4	1.0	,
	1.1	0.5	0.5	0.0	1.9				
May 2016	0.1	0.0	-0.1	-0.3	0.4	0.4	0.5	0.4	(
* June 2016	5.8	-2.2	-1.6	-4.7	-10.5	-4.4	-4.0	-7.2	-4
June 2016	-1.8	1.6	6.1	2.0	0.7	0.0	-0.2	4.2	-(
									12 6
Julie 2010	0.00	90.9	01.1	00.9	00.7	9.00	01.1	00.7	0
* May 2016	0.2	0.9	0.4	6.7	5.5	4.1	4.4	6.8	:
May 2016	2.0	0.9	-4.5	-2.0	-7.6	0.2	7.0	2.6	;
									11
May 2016		3.0			•	15.9	2.7	6.4	
June 2016	-9.3	5.9	19.9	78.9	10.2	0.7	2.0	-4.4	19
× 1 2010	0.3	0.2	0.7	5.7	1.3	0.5	1.1	1.2	
June Zu in	0.0	J. <u>L</u>	5.7	0.7	0	1.1	1.5	0.4	_
 June 2016 June 2016 									
	-0.4	0.1	0.0	2.9	0.7	0.3	-0.3	0.3	-
June 2016	-0.4 11.3	0.1 -2.4	0.0 -8.9	2.9 20.5	0.7 16.9	0.3 3.0	-0.3 17.9	0.3 6.9	
June 2016 May 2016 * June 2016	11.3	-2.4	-8.9	20.5	16.9	3.0	17.9	6.9	-1
June 2016 May 2016 * June 2016 June 2016	-0.4	-2.4 0.7	-8.9	20.5	16.9 -0.2	3.0 -0.1	17.9 -1.5	6.9	-1
June 2016 May 2016 * June 2016	11.3	-2.4	-8.9	20.5	16.9	3.0	17.9	6.9	-
	* May 2016 May 2016 June 2016 May 2016 June 2016 March 2016 May 2016 June 2016 May 2016 June 2016 May 2016 * June 2016 May 2016 * June 2016 June 2016 June 2016 June 2016 * May 2016 June 2016 * May 2016 May 2016 * June 2016 * June 2016 June 2016 * June 2016	* May 2016	Name	Name	Name	Monthly Growth (%)	Reference Past Prev. Month Sefore Month Month North Reference Nort	Monthy Grown Month Mo	May 2016 Month Feet Month Mo



Annex - Economic tables



77.522 7 77.00		Jul	y 22, 20 y Growth (ORS (Continues from page A4) Annualized Growth (%)						
Growth Rates Unless Otherwise Indicated	Reference Period	Past Month	Prev. Month	Month Before		rage of the I		Since 12 Mos.	Year-to-da	ate (3)
OVA SCOTIA										
DOMESTIC DEMAND AND REVENUE Retail Sales	* May 2016	0.4	0.5	-1.2	2.4	1.5	3.1	0.5	6.3	-3
Manufacturing Shipments	May 2016	6.2	-0.4	0.0	-6.4	-0.6	7.9	8.4	6.0	3
Housing Starts (000) (2)	June 2016	5.0	4.7	1.9	3.9	3.3	3.5	7.7	3.3	4
Number of existing homes sold (MLS)	* June 2016	-8.5	-1.0	-1.9	-7.7	9.5	1.2	0.3	3.1	6
Wages and Salaries	March 2016	0.4	0.3	-0.3	1.8	2.6	2.4	2.8	2.4	
Value of merchandise exports (1) CFIB Business Barometer ®	May 2016 June 2016	-3.8	-1.2	-1.8	-21.2	-4.0	8.9 4.9	11.8 -6.2	3.4 0.4	-11 11
PRICES										
Consumer Price Index (1)	* June 2016	0.2	0.5	0.7	5.6	1.5	0.9 0.5	1.2	1.2	
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	June 2016 May 2016	0.1	0.0	0.0	0.1	-0.3	0.5	3.8 0.0	1.5 0.1	
LABOR MARKET										
Job creation (000)	June 2016	0.6	-3.6	2.0	-0.3	0.1	0.0	-0.1	8.0	-4
Unemployment Participation rate	June 2016 June 2016	8.2 61.7	8.3 61.7	8.3 62.2	8.3 61.9	8.6 62.0	8.5 62.1	7.9 61.8	8.6 62.0	6
EW BRUNSWICK										
DOMESTIC DEMAND AND REVENUE Retail Sales	* May 2016	-1.2	3.3	-2.9	-1.1	1.4	5.2	3.2	7.3	
Manufacturing Shipments	May 2016	-1.2 -5.6	3.3 8.2	-2.9 10.8	-1.1 8.0	-2.0	5.2 -12.2	3.2 -14.4	7.3 -10.1	_
Housing Starts (000) (2)	June 2016	1.6	2.9	1.6	2.0	1.7	2.0	2.5	1.7	
Number of existing homes sold (MLS)	* June 2016	1.9	4.3	2.8	20.1	-5.5	4.9	5.4	4.9	
Wages and Salaries	March 2016	0.5	0.3	-0.8	-0.3	4.8	3.1	4.0	3.2	
Value of merchandise exports (1) CFIB Business Barometer ®	May 2016 June 2016	13.8	-0.7	8.0	5.6	-5.2	-14.1 -2.9	-9.3 7.3	-18.0 -3.9	
PRICES Consumer Price Index (1)	* lune 2016	0.3	0.3	0.6	E 4	2.2	1.3	1.8	1.8	
Consumer Price Index (1) Average Hourly Earnings (1)	* June 2016 June 2016	0.3	0.3	0.6	5.4	2.2	0.5	0.3	0.0	
Price of New Housing inc. Land (1)	May 2016	0.0	0.0	0.0	-0.2	0.0	0.3	0.6	0.4	-
Avg. Price of Existing Homes Sold (MLS)	* June 2016	-1.0	2.1	2.6	19.0	-2.6	0.7	3.4	1.0	
LABOR MARKET Job creation (000)	June 2016	1.2	-0.9	3.9	1.4	-0.5	0.1	1.0	-3.2	-
Unemployment	June 2016	10.3	9.9	9.6	9.9	9.9	9.6	10.7	9.9	1
Participation rate	June 2016	62.5	62.0	62.0	62.2	62.0	62.2	62.8	62.0	6
IANITOBA DOMESTIC DEMAND AND REVENUE										
Retail Sales	* May 2016	0.5	-1.0	-0.7	0.0	5.4	4.3	6.2	7.0	
Manufacturing Shipments	May 2016	-4.2	2.3	-0.9	-7.8	1.7	-0.1	-0.3	1.9	-
Housing Starts (000) (2)	June 2016	5.3	5.8	5.1	5.4	4.9 9.9	5.5	4.2	4.9 6.7	
Number of existing homes sold (MLS) Wages and Salaries	 June 2016 March 2016 	-0.6 0.3	-5.1 -0.1	4.0 -0.6	1.9 0.6	3.4	4.6 3.2	6.8 3.3	2.9	
Value of merchandise exports (1)	May 2016	0.5	-0.1	-0.0	0.0	5.4	2.9	9.8	2.9	
CFIB Business Barometer ®	June 2016	0.1	6.9	-1.4	-17.1	-7.5	-3.3	-10.6	-1.6	
PRICES Consumer Price Index (1)	* June 2016	0.9	0.6	0.2	6.1	1.0	1.5	2.1	1.5	
Average Hourly Earnings (1)	June 2016	0.0	0.4	0.0	2.0	4.0	3.8	2.3	3.3	
Price of New Housing inc. Land (1) Avg. Price of Existing Homes Sold (MLS)	May 2016 * June 2016	0.2 1.5	0.1 0.2	0.3 -0.8	2.0 -5.4	1.3 4.7	1.5 2.0	1.8 3.8	1.7 2.5	
LABOR MARKET Job creation (000)	June 2016	0.0	2.9	-3.0	0.0	0.4	0.0	0.3	2.1	
Unemployment Participation rate	June 2016 June 2016	6.1 67.9	5.9 67.7	6.1 67.7	6.0 67.7	6.0 67.7	5.8 67.9	5.4 68.1	6.0 67.7	6
ASKATCHEWAN	Julie 2010	07.5	01.1	01.1	01.1	01.1	6.10	00.1	01.1	
DOMESTIC DEMAND AND REVENUE										
Retail Sales	* May 2016	-0.3	0.8	-0.2	1.7	1.7	-1.6	-0.5	0.7	-
Manufacturing Shipments Housing Starts (000) (2)	May 2016 June 2016	3.3 4.7	0.3 3.5	1.1 4.8	-8.2 4.3	-0.5 4.4	-8.3 4.8	2.9 6.9	-3.3 4.4	-1
Number of existing homes sold (MLS)	* June 2016	-0.6	-2.8	1.3	-8.4	-10.1	-7.8	-10.8	-5.5	-1
Wages and Salaries	March 2016	-0.1	-0.5	-0.4	-2.1	0.6	1.1	-0.1	0.1	
Value of merchandise exports (1) CFIB Business Barometer ®	May 2016 June 2016	6.5	5.5	3.8	-7.4	-17.0	-15.8 -5.9	-29.7 2.2	-23.7 -0.9	-2
PRICES	_									
Consumer Price Index (1)	* June 2016	0.5	0.3	0.1	4.1	1.2	1.6	1.4	1.5	
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	June 2016 May 2016	-0.1	-0.2	-0.3	-2.5	-1.9	2.7 -1.2	2.7 -1.9	3.2 -1.5	
Avg. Price of Existing Homes Sold (MLS)	* June 2016	0.5	-0.2 -0.1	-0.3 -0.5	0.9	-2.6	-1.2 -1.5	-1.5	-1.5 -1.7	
LABOR MARKET										
Job creation (000)	June 2016	1.0	2.2	-1.6	0.5	-0.9	-0.5	-6.2	-5.2	
Unemployment Participation rate	June 2016 June 2016	6.1 69.9	6.0 69.7	6.3 69.8	6.1 69.8	6.0 69.8	5.7 70.1	4.8 70.2	6.0 69.8	6
	Juile 2010	6.60	09.7	09.0	09.0	09.0	70.1	10.2	09.0	c



Annex - Economic tables

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		Jul	y 22, 20 ⁻	16						
		Monthl	y Growth (%) _	Annualize	d Growth (9	%)			
Growth Rates Unless	Reference	Past	Prev.	Month	Aver	age of the la	ast	Since	Year-to-da	ate (3)
Otherwise Indicated	<u>Period</u>	<u>Month</u>	Month	<u>Before</u>	3 Mos.	6 Mos.	<u>12 Mos.</u>	12 Mos.	<u>ref.</u>	pre
LBERTA										
DOMESTIC DEMAND AND REVENUE										
Retail Sales	* May 2016	-0.4	1.8	-0.2	2.8	-3.6	-3.6	-0.9	-1.1	
Manufacturing Shipments	May 2016	-2.0	3.6	0.7	0.2	-20.7	-15.2	-13.8	-14.3	-1
Housing Starts (000) (2)	June 2016	24.0	21.9	28.8	24.9	23.8	29.1	41.7	23.8	2
Number of existing homes sold (MLS)	* June 2016	3.2	-1.9	6.1	43.7	-19.5	-16.7	-10.8	-11.1	-2
Wages and Salaries	March 2016	-0.6	0.2	-1.7	-6.7	-3.9	-2.7	-4.9	-5.0	-2
Value of merchandise exports (1)	May 2016	-0.0	0.2	-1.7	-0.1	-5.5	-25.0	-20.5	-24.9	-2
CFIB Business Barometer ®	June 2016	22.8	20.9	8.2	177.4	-30.2	-42.4	-3.9	-34.8	-:
CI ID Busilless Baloffieler &	Julie 2010	22.0	20.9	0.2	177.4	-30.2	-42.4	-3.5	-34.0	-,
PRICES										
Consumer Price Index (1)	* June 2016	0.5	0.4	0.1	4.5	0.5	1.5	1.3	1.5	
Average Hourly Earnings (1)	June 2016						3.4	1.9	3.0	
Price of New Housing inc. Land (1)	May 2016	0.1	0.0	0.0	-0.7	-0.1	-0.2	-0.1	-0.3	
Avg. Price of Existing Homes Sold (MLS)	* June 2016	-0.7	0.5	1.4	6.9	-1.8	-2.0	-1.3	-1.2	
_ABOR MARKET										
Job creation (000)	June 2016	-1.9	-24.1	-20.8	-15.6	-6.1	-4.3	-51.6	-36.5	
Unemployment	June 2016	7.9	7.8	7.2	7.6	7.6	7.1	5.8	7.6	
Participation rate	June 2016	71.8	71.9	72.3	72.0	72.4	72.7	72.8	72.4	
RITISH COLUMBIA										
DOMESTIC DEMAND AND REVENUE										
Retail Sales	* May 2016	0.1	2.1	-1.1	8.3	5.4	6.3	6.5	7.1	
Manufacturing Shipments	May 2016	1.1	-1.3	3.0	8.4	3.9	0.5	3.8	1.6	
Housing Starts (000) (2)	June 2016	49.8	36.4	46.8	44.3	44.2	38.3	36.2	44.2	;
Number of existing homes sold (MLS)	* June 2016	-5.3	-5.4	0.9	-4.2	37.5	26.7	15.9	31.1	3
Wages and Salaries	March 2016	-0.1	1.0	-0.2	3.0	37.5	3.6	3.2	31.1	•
Value of merchandise exports	May 2016	-0.1	-0.7	-0.2	-15.0	-0.2	0.3	-5.9	0.0	
CFIB Business Barometer ®	June 2016	3.1	2.7	4.6	37.2	-2.3	-9.1	-3.5	-9.3	
PRIOSO										
PRICES	* 1 0040	0.0			4.0	4 -	4.0		4.0	
Consumer Price Index (1)	* June 2016	0.3	0.7	0.0	4.8	1.7	1.6	2.0	1.9	
Average Hourly Earnings (1)	June 2016						1.8	1.5	0.9	
Price of New Housing inc. Land (1)	May 2016	1.0	0.3	0.3	6.3	4.8	2.5	4.8	3.8	
Avg. Price of Existing Homes Sold (MLS)	* June 2016	-1.6	-1.8	-1.7	-13.9	22.9	15.9	11.0	18.5	
LABOR MARKET										
Job creation (000)	June 2016	16.0	-8.4	13.0	6.9	7.5	5.8	70.0	44.9	:
Unemployment	June 2016	5.9	6.1	5.8	5.9	6.3	6.3	5.9	6.3	
Participation rate	June 2016	64.4	64.2	64.3	64.3	64.3	64.1	63.4	64.3	6

Sources: Datastream, Canadian Real estate Association and BCStats

* Update (1) Not Seasonally Adjusted (2) Annual Rate (3) Compared to sdame priod of the preceding year, unless otherwise stated



Annex - Economic tables

Annex - Economic									onal Bank of	Canada
TABLE	5 - INTERI	NATIOI	VAL E	CON	OMIC	INDIC	4TORS	3		
			ly 22, 20							
Growth Rates Unless	Reference	Month Past	ly Growth Prev.	(%) Month		alized Grow erage of the		Since	Year-to-c	ate (2)
Otherwise Indicated	Period	Month	Month	<u>Before</u>	3 Mos	-	12 Mos.	12 Mos.	ref.	prec.
OECD leading index	April 2016	0.0	0.0	0.0	-0.4	-0.7	-0.5	-0.7	-0.7	-0.1
JAPAN										
Consumer confidence - percenbtage (1)	June 2016	42.5	41.5	40.7	41.6	41.4	41.4	42.4	41.4	41.2
Retail Sales (1) Industrial Production, Volume Index	May 2016 May 2016	-2.6	0.5	3.8	1.7	-3.0	-0.1 -1.5	-2.1 -2.1	-0.8 -2.7	-1.5 -2.2
Exports	May 2016	-1.3	-1.3	-0.1	-11.6	-14.2	-3.7	-8.4	-9.1	8.5
Imports	May 2016	1.0	-3.8	-1.8	-23.8	-24.9	-12.7	-16.3	-17.3	-7.3
Merchandise trade bal. (Billions of ¥)	May 2016	3,286	4,089	4,318	3,898	2,906	1,301	-1,300	16,330	-5,312
Current account (Billions of ¥) Inflation (CPI)	May 2016 May 2016	141 0.1	163 -0.2	190 -0.1	165 -0.4	161 -0.4	151 0.1	143 -0.3	801 -0.1	622 1.6
Job offers to applicants ratio	May 2016	1.36	1.34	1.30	1.33	1.31	1.27	1.18	1.31	1.16
Unemployment Rate	May 2016	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.2	3.4
Gross Domestic Product (Constant Yen)		Q1 2016 1.9	-1.8	1.7	-1.7	Q1 2015 5.2	Q4 2014 2.1	2015 0.6	2014 -0.1	2013 1.4
Euro-zone										
Volume Retail Sales	May 2016	0.4	0.2	-0.6	-0.3	1.9	2.5	1.7	1.9	2.8
Industrial Production exc. Construction	May 2016	-1.3	1.4	-0.8	-1.5	1.2	1.6	0.6	1.5	1.2
Exports Imports	May 2016 May 2016	-1.9 -1.5	0.4 0.0	0.6 -2.5	-2.7 -11.9	-0.6 -5.0	1.6 -1.0	-4.7 -7.7	-1.4 -3.9	6.6 3.0
Merch. Trade Bal. (Millions of euros)	May 2016	-1.5 24,497	25,425	-2.5 24,809	24,910	23,433	21,863	21,461	-3.9 115,513	98,096
Inflation (CPI)	June 2016	0.2	0.4	0.0	5.0	-0.6	0.1	0.1	0.0	-0.1
Unemployment Rate	May 2016	10.1	10.2	10.2	10.2	10.3	10.5	11.0	10.2	11.1
Gross Domestic Product (Constant Euro)		Q1 2016 2.2	Q4 2015 1.7	Q3 2015	Q2 2015	Q1 2015 2.2	Q4 2014 1.5	2013 -0.4	2012 -0.7	2011 0.0
UNITED KINGDOM										
Consumer Confidence (Diffusion index)	June 2016	-1	-2	1	-1	1	1	5	1	4
Retail Sales	* June 2016	-0.9	0.9	1.8	6.5	5.3	4.3	4.3	4.6	4.6
Manufacturing, energy and mining output	May 2016	-0.6	2.1	0.5	7.6	0.1	1.1	1.4	0.9	1.3
Exports (1)	May 2016	-8.2	8.1 0.1	3.1 1.2	28.8	0.8	-2.6 -0.9	-4.1	-1.1 0.8	-1.5 0.5
Imports (1) Merchandise Trade Bal. (Millions of £)	May 2016 May 2016	-4.7 -9,879	-9,414	-11,323	7.0 -10,205	-0.5 -10,788	-11,435	2.8 -11,119	-53,598	-50,907
Inflation (CPI harmonized) (1)	* June 2016	0.2	0.2	0.0	2.6	0.6	1.2	1.4	1.3	1.0
Producer price index, manufacturing (1)	* June 2016	0.2	0.2	0.3	3.1	-0.2	-1.2	-0.4	-0.8	-1.7
House prices	June 2016	1.3	0.9	-0.8	4.7	8.9	9.2	8.7	9.2	8.6
Unemployment Rate (3-month mov. av.)	* May 2016	4.9	5.0	5.1	5.0	5.1	5.2	5.6	5.0	5.6
Gross Domestic Product (Constant £)		Q1 2016 1.8	Q4 2015 2.8	Q3 2015 1.8	Q2 2015 1.7	Q1 2015 1.1	Q4 2014 1.7	2015 2.2	<u>2014</u> 3.1	2013 1.9
INTEREST AND EXCHANGE RATE	S									
	Reference Thursday	Current Week	Prev. Week	Week Before	Avera 13 W.	ge of last Th	urdays 52 W.	13 w. ago	26 w. <u>ago</u>	52 w. ago
	<u>Indiaday</u>	VVCCK	VVCCK	Delore	15 W.	<u>20 W.</u>	<u>32 vv.</u>	ago	ago	ago
JAPAN Prime Rate	* 21 July 16	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
3-month Financing Bill Rate	* 21 July 16 * 21 July 16	-0.27	-0.28	-0.31	-0.27	-0.24	-0.13	-0.90	-0.03	0.00
- Spread with U.S.	* 21 July 16	-0.58	-0.59	-0.60	-0.55	-0.51	-0.32	-1.13	-0.31	-0.03
Yield on 10-year Gov't Bonds	* 21 July 16	-0.23	-0.26	-0.28	-0.16	-0.09	0.12	-0.12	0.23	0.42
 Spread with U.S. Exchange Rate (¥/U.S.\$) 	* 21 July 16 * 21 July 16	-1.79 105.8	-1.79 105.3	-1.66 100.8	-1.83 106.5	-1.84 109.5	-1.85 115.0	-1.99 109.5	-1.80 117.7	-1.85 123.9
	Zi July 10	105.0	100.3	100.0	100.5	109.5	110.0	109.5	117.7	123.8
Euro Zone 3-month Treasury Bills	* 21 July 16	-0.25	-0.25	-0.25	-0.25	-0.24	-0.16	-0.25	-0.16	-0.02
- Spread with U.S.	* 21 July 16	-0.56	-0.56	-0.54	-0.52	-0.51	-0.34	-0.48	-0.44	-0.05
Exchange Rate (U.S.\$/Euro)	* 21 July 16	1.10	1.11	1.11	1.12	1.12	1.11	1.13	1.09	1.10
(Yen/Euro) (Euro / £)	* 21 July 16 * 21 July 16	117.05 1.20	117.88 1.20	111.90 1.18	119.73 1.26	122.83 1.27	128.10 1.32	124.50 1.27	127.43 1.30	136.15 1.42
UNITED KINGDOM	, 10	0	2	5	0					
3-month Treasury Bills (tender)	* 21 July 16	0.40	0.37	0.40	0.42	0.44	0.46	0.45	0.49	0.49
- Spread with U.S.	21 July 16	0.09	0.06	0.11	0.14	0.17	0.27	0.22	0.21	0.46
Yield on 30-year Gov't Bonds	* 21 July 16	1.73	1.62	1.62	2.05	2.18	2.37	2.40	2.47	2.72
- Spread with U.S. Exchange Rate (U.S.\$ / £)	* 21 July 16 * 21 July 16	-0.57 1.32	-0.63 1.33	-0.52 1.29	-0.43 1.41	-0.38 1.42	-0.37 1.47	-0.30 1.43	-0.34 1.42	-0.25 1.55
STOCK INDICES	Zi July 10	1.32		nly Growth			rowth Over (Sind	
		-	Past	Prev.	Month			()	beginning	
	Reference	Level	Month	Month	Before	3 Months	6 Months	1 Year	<u>ref.</u>	prec.
MSCI Eafe	* July 2016	215	3.8	-4.1	-4.0	-4.4	4.6	-12.8	-2.2	7.2
						nless otherv			Source: Data	



Annex - Economic tables

Annex - Economic t				- II			A divis	ion of Natio	onal Bank of Canada
	TABLE				PRIC	ES			
	Spot P		ly 22, 20	16 ly Growth	(%)	Annualiza	d Growth (%)	
	Spore	rice	Last	Prev.	Week		or the Last		Last
	<u>July 21</u>	<u>July 14</u>	<u>Week</u>	<u>Week</u>	<u>Before</u>	<u>13 W.</u>	<u>26 W.</u>	<u>52 W.</u>	Year
INDICES THOMSON-REUTERS									
Total	422.1	435.9	-3.2	2.1	-1.4	22.1	38.4	3.6	407.3
Energy	380.1	387.8	-2.0	0.0	-4.8	53.5	98.9	-8.8	416.
Grain Industrials	284.2 372.0	299.2 371.9	-5.0 0.0	3.5 9.3	-7.3 -1.0	-33.3 32.8	-4.0 32.6	-11.5 3.5	321. 359.:
Livestock & Meat	311.7	338.1	-7.8	-0.9	-2.5	-39.7	-26.2	-16.7	374.
Precious Metals	889.9	896.7	-0.8	0.4	5.5	45.9	74.9	22.9	723.
PRECIOUS METALS									
Gold (\$/ounce) (AM fixing London)	1322.00	1325.70	-0.3	-3.0	3.8	22.1	45.3	20.0	1101.6
Platinum (\$/ounce) (AM fixing London)	1087.0	1081.0	0.6	-0.5	8.2	26.0	77.0	9.5	993.0
Silver (\$/ounce) (Handy & Harman)	0.2	0.2	-2.9	3.2	6.0	73.6	98.8	34.0	0.
Palladium (\$/ounce troy)	676.0	645.0	4.8	6.1	3.2	45.0	85.0	7.1	631.0
OTHER METALS (LME)									
Aluminum (\$/tonne)	1,586	1,671	-5.1	2.5	-0.8	-9.5	13.9	-0.4	1,593
Copper (\$/tonne)	4,967	4,922	0.9	5.3	-3.5	-3.8	25.5	-5.5	5,254
Zinc (\$/tonne)	2,248	2,186	2.8	4.5	-0.5	94.2	124.1	13.7	1,97
Nickel (\$/tonne)	10,727	10,320	3.9	6.3	3.2	95.7	51.6	-5.8	11,38
Lead (\$/tonne)	1,850	1,891	-2.2	4.6	1.3	16.7	27.2	7.9	1,71
Uranium (UxC-Ux U308 Spot \$/pound)	26.40	26.40	0.0	-0.4	-1.9	-8.6	-42.6	-27.2	36.2
OTHER COMMODITIES									
Oil WTI (\$/barrel) future (NYMEX)	44.75	45.68	-2.0	1.2	-6.6	15.4	129.6	-7.6	48.4
Oil (Spead with WTI \$/barrel) 1st future (West Canadian select - CME)	-14.70	-13.70	7.3	-3.9	4.0	26.9	10.3	-7.5	-15.9
Corn (¢/bushel) (Illinois #2)	3.2	3.4	-5.6	5.9	-7.0	-44.1	-21.0	-15.1	3.
Soy beans (¢/bushel) (Illinois #1)	10.2	10.7	-4.8	3.9	-10.9	12.2	35.6	0.5	10.:
Pork (¢/lb)	1.4	1.4	2.1	-98.9	0.0	-100.0	-100.0	-98.8	121.
Beef (Cattle feeder index) (CME)	140.2	143.9	-2.5	1.1	-1.0	-29.2	-21.2	-35.3	216.
Soft Wood Pulp (HWWI) Index 2010 = 100	98	98	-0.1	0.4	0.1	1.7	6.2	-1.2	9
Natural Gas (mmbtu) Henry Hub future NYMEX	2.70	2.77	-2.5	-3.1	-1.4	275.2	50.6	-7.2	2.9
Lumber 2X4	330	323	2.1	3.6	2.7	93.0	90.1	22.5	269
Iron ore (\$/metric ton)	58	59	-2.5	6.3	1.8	-46.7	89.2	12.7	5
All prices are in	US dollar	rs				Source	: Datas	stream	

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