

Economics and Strategy

September 23, 2016

A division of National Bank of Canada

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Week in review

Canada — The consumer price index dropped 0.2% in August, allowing the year-on-year inflation rate to decline two ticks to 1.1%. In seasonally adjusted terms, CPI was down 0.1% as higher prices for health care, clothing, shelter and household operations were more than offset by a decline in recreation/reading and food. The core CPI, which excludes eight of the most volatile items, was flat, which allowed the annual core rate to drop three ticks to 1.8%, the lowest in two years. In seasonally-adjusted terms, core CPI was flat. Goods prices are moderating, suggesting perhaps that the effects of earlier C\$ depreciation are fading. Services inflation was also weak in August. Assuming September core inflation is in line with historical norms, core CPI should average 1.9% on a year over year basis in Q3, slightly below the Bank of Canada's Monetary Policy Report estimates of 2.0% published back in July.

Canada: Annual inflation rate fell sharply in August



Retail sales fell 0.1% in July, disappointing consensus which was looking for an increase of 0.1%. In July, sales fell in five of the 11 subsectors, including autos. Excluding autos, sales fell 0.1%, also disappointing consensus which had expected an increase of 0.5%. Gasoline station receipts were down sharply in the month in line with sinking pump prices. But there were also

lower revenues for sellers of furniture/home furnishings, food/beverage, and health care products, which more than offset gains for sellers of electronics, building materials, sporting goods, general merchandise and miscellaneous items. Looking at provinces, on a year-on-year basis, BC leads the way (+6.4%), while Quebec (+3.8%) and Ontario (+3.3%) are also well above the national average of 2.3%. Newfoundland & Labrador (-3.9%) and Alberta (-3.8%) continue to struggle. In real terms, Canada's retail sales rose 0.3%, something that will give a boost to July GDP. The quarterly picture is also looking good. Even assuming no change in August and September, real retail sales are on track to grow in Q3 after contracting the prior quarter.

Wholesale sales rose 0.3% in July, with gains in five of the 7 broad subsectors, including motor vehicles. In real terms, wholesale sales were up marginally (+0.05%).

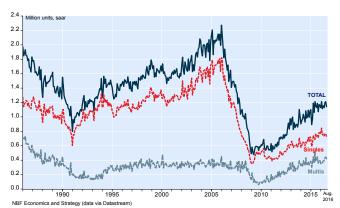
In a speech this week, Bank of Canada Governor Stephen Poloz talked about macroeconomic and monetary policy aspects of ultra-low interest rates. He said that interest rates are low for reasons that are not necessarily controlled by central banks. For instance, the real neutral interest rate has come down globally over the years due to the decline in the potential growth rate (courtesy of an aging population and lack of investment) and the growing influence of developing economies (which tend to save more than advanced economies). For Canada, the central bank estimates that the real neutral interest rate, i.e. one that is neither stimulative nor contractionary, is in the 0.75-1.75% range (i.e. a nominal neutral rate of 2.75-3.75%, which is 1.75% below pre-crisis levels). The Governor gave some explanations about why investment has been so weak in Canada. He blamed "the high level of uncertainty" but also the reluctance of corporations to lower their "hurdle rates". The hurdle rate — the lowest rate of return that a company will accept before undertaking an investment — should be a function of the risk-free rate and hence the real neutral rate. The Governor bemoaned that firms haven't yet factored in the lower real neutral rate of interest, meaning that hurdle rates are higher than what they should be. He added: "if companies are maintaining traditional hurdle rates, they are unlikely to invest any time soon, and we will not see the kind of growth, productivity and job creation we are looking for."

Corporations and government can help in raising the economy's potential growth rate and Governor Poloz gave some recommendations. Businesses have to adjust their expectations about investment returns to "reflect the current and likely future reality and reconfigure their investment plans accordingly". As for government, the Governor recommends tax and immigration

policies that "are as enabling as they can be (for investment)", infrastructure investments, defending existing trade arrangements and pursuing new ones. He gave concrete examples, "TPP could add a further one- or two-tenths to our potential output growth... while the removal of interprovincial trade barriers could add one- or two-tenths of a percentage point to Canada's potential output annually."

United States — Housing starts fell 5.8% in August to a three-month low of 1142K in seasonally adjusted annualized terms. There were declines for both single family homes (-6%) and multis (-5.4%). **Building permits** dropped 0.4% to 1139K in August as declines for multis (-7.2%) more than offset gains for single family homes (+3.7%).

U.S.: Residential construction took a breather in August Housing starts



Existing home sales fell 0.9% in August to 5.33 million units. The decrease was entirely due to single family units (-2.3%) which more than offset gains for multis (+10.5%). The months supply of homes at current sales rate fell marginally to 4.6 months. The median resale price fell to \$240,200 but is still 5.1% higher than year-ago levels (+5.3% for singles and +3.7% for multis). Only 22% of August sales were made to cash buyers, while the share of distressed sales in total sales was just 5%, both close to multi-month lows.

Markit's flash/preliminary estimate of the **manufacturing purchasing managers index** ended up at 51.4 in September, down from 52 the prior month. A reading above 50 implies expansion in manufacturing activity. Output and new orders expanded at a slower rate than the prior month, while employment picked up speed.

Initial jobless claims fells to 252K in the week of September 17th. The more reliable 4-week moving average dropped further to reach 259K. Continuing claims for the prior week fell 36K to 2.11 million.

As widely expected, the **Federal Reserve** left monetary policy unchanged. The fed funds rate remains between 0.25% (lower

bound) and 0.50% (upper bound). The Fed was encouraged by continued strengthening of the labour market and a pick-up in economic activity after a difficult first half. However, inflation remains low and investment is soft. Near-term risks to the economic outlook "appear roughly balanced". The FOMC said the case for an increase in the federal funds rate has strengthened but it decided, for the time being, to wait for further evidence of continued progress toward its objectives. The ranks of dissenters grew in September as Esther George was joined by Loretta Mester (another hawk) and Eric Rosengren (a dove at one point). All those folks wanted a rate hike to 0.50-0.75%. While the labour market is strong, the Fed thinks more progress can be achieved as to allow wage growth to pick up and give itself a better chance of eventually hitting its 2% inflation target. Median forecasts of FOMC participants show just one rate hike slated for this year, two hikes in 2017, three hikes in 2018 and another three in 2019. We continue to expect this year's sole rate increase to be in December rather than at November's meeting which is just a few days before the elections.

World — The Bank of Japan adopted a new framework for conducting monetary policy dubbed "Quantitative and qualitative monetary easing with yield curve control". The central bank will not target the money supply anymore but will instead focus on controlling bond yields across tenures. The central bank will purchase a wide range of maturities of JGBs giving it more flexibility to control the yield curve, although the amount of 80 trillion yen/year remains unchanged. The BoJ also committed to expand the monetary base until the year-on-year CPI inflation rate exceeds the 2% target in a stable manner. The central bank will continue to charge financial institutions 0.1% on balances held at the central bank.

Flash manufacturing purchasing managers indices for the month of September were released by Markit for a range of countries. Japan's PMI rose to 50.3 (from 49.5 the prior month). While output and employment expanded, new orders remained in contraction mode. The eurozone's PMI rose to a three-month high of 52.6 thanks to gains in Germany and France. Markit also released services purchasing managers indices for September, with the eurozone's measure falling to a 21-month low of 52.1, the decline driven by Germany.

What we'll be watching

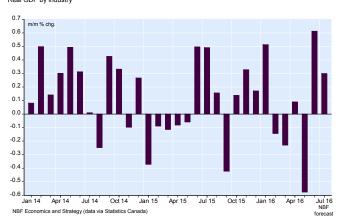


In Canada, the highlight of the week will be July GDP results. Higher volumes reported in the wholesaling, manufacturing and retailing sectors suggest the economy continued to recover from the Q2 slump. And based on

relatively strong exports, oil output bounced back after wildfire-related interruptions. Overall, real GDP may have increased about 0.3%. The **Survey of Employment, Payrolls and Hours** for July will also be scrutinized for additional clues about the state of the Canadian labour market. **Bank of Canada Governor Stephen Poloz** is scheduled to deliver a lecture at Western Washington University on Monday night.

	Previous	NBF forecasts
GDP (July m/m chg.)	0.6%	0.3%

Canada: Economy likely grew again in July





In the U.S., we'll get the third estimate of Q2 GDP data this week. An upward revision is likely thanks in part to investment in structures which may have been less of a drag than first thought. We'll also get important information

about the third quarter of the year thanks to August data. Personal income and personal spending probably continued to grow in synch with a resilient labour market. Soft energy prices may have allowed the PCE deflator to grow just 0.9% on a year-on-year basis. But because of the jump in medical care costs (which have a bigger weight in the PCE than in the CPI), the annual core PCE inflation rate, which is closely watched by the Fed, could rise to a six-month high of 1.7%. Durable goods orders and new home sales likely fell a bit in August after outsized gains the prior month. Markit will release September's purchasing managers index for the services sector on Tuesday.

	Previous	NBF forecasts
Personal income (August m/m chg.)	0.4%	0.1%
Personal spending (August m/m chg.)	0.3%	0.2%
PCE deflator (August y/y chg.)	0.8%	0.9%
Core PCE deflator (August y/y chg.)	1.6%	1.7%
GDP (Q2 q/q chg. saar, third est.)	1.1%	1.4%

U.S.: Fed's preferred measure of inflation getting closer to 2% target? $\ensuremath{\text{PCE}}$ deflator



What we'll be watching



Elsewhere around the globe, Markit will publish manufacturing purchasing managers indices on Friday for China. Japan will have a busy week with August data on retail sales, industrial production, housing starts, employment and CPI. Bank of Japan Governor Kuroda is

scheduled to give a speech on Thursday. In the Eurozone, the unemployment rate for August will be released, as well as September's preliminary estimate of the CPI.

Economic calendar - Canada & U.S.



			Economic rele					Earnings an			
	Time	Country	Release	Period	Previous	Consensus Estimate	NBF Estimate	Company	Time	Qtr	Cons. EPS
Monday Sep 26	10:00 10:00	US US	New Home Sales New Home Sales MoM	Aug Aug	654k 12.40%	597k -8.80%	600k -8.30%	DHX Media Ltd Carnival Corp		Q4 2016 Q3 2016	0.09 1.89
Tuesday Sep 27	9:45 10:00	US US	Markit US Services PMI Consumer Confidence Index	Sep P Sep	51.0 101.1	51.0 98.5		NIKE Inc Cintas Corp		Q1 2017 Q1 2017	0.56 1.08
Wednesday Sep 28	7:00 8:30 8:30	US US US	MBA Mortgage Applications Durable Goods Orders Durables Ex Transportation	Sep-23 Aug P Aug P	-7.30% 4.40% 1.30%	 -1.10% -0.50%	-1.00% 0.00%	BlackBerry Ltd Paychex Inc		Q2 2017 Q1 2017	-0.05 0.57
Thursday Sep 29	8:30 8:30 8:30 10:00	US US US US	GDP Annualized QoQ Personal Consumption Initial Jobless Claims Pending Home Sales MoM	2Q T 2Q T Sep-24 Aug	1.10% 4.40% 252k 1.30%	1.30% 3.00% -0.10%	1.40%	PepsiCo Inc Accenture PLC ConAgra Foods Inc Costco Wholesale Corp	6:59 7:30	Q3 2016 Q4 2016 Q1 2017 Q4 2016	1.32 1.30 0.48 1.73
Friday Sep 30	8:30 8:30 8:30 8:30 8:30 8:30 9:45	US CA US CA CA US US US	Personal Income GDP MoM Personal Spending Industrial Product Price MoM Raw Materials Price Index MoM PCE Deflator YoY PCE Core YoY Chicago Purchasing Manager U. of Mich. Sentiment	Aug Jul Aug Aug Aug Aug Sep Sep F	0.40% 0.60% 0.30% 0.20% -2.70% 0.80% 1.60% 51.5	0.20% 0.20% 0.90% 1.70% 53.0 90.1	0.10% 0.30% 0.20% 0.90% 1.70%	McCormick & Co Inc/MD	0:00	Q3 2016	0.94

Source: Bloomberg



Annex - Economic tables

IADLE I	- NORTH				VUIAL	. INDIC	AIUK			
		Septer	mber 23,		(0/)					
		_		ly Growth		Annualize				
Growth Rates Unless	Reference	Lavial	Past	Prev.	Month	Ü		Since	Year-to-c	
Otherwise Indicated	<u>Period</u>	<u>Level</u>	Month	<u>Month</u>	<u>Before</u>	<u>3 Mos.</u>	6 Mos.	<u>12 Mos.</u>	<u>ref.</u>	pred
JNITED STATES										
MONETARY AGGREGATES	* *	(\$Billions)	0.0	0.4	0.0	40.0	0.0	0.4	0.4	
M1	* Aug 2016	3317	2.8	-0.1	0.2	10.0	9.8	9.1	6.4	8.1
M2	* Aug 2016	13008	0.9	0.6	0.6	8.1	7.8	7.5	6.6	5.8
CREDIT MEASURES Consumer Credit	July 2016	3661	0.5	0.4	0.6	6.8	5.7	6.0	6.3	6.9
Mortgage (Banks)	* Aug 2016	4047	0.5	0.4	0.5	7.1	5. <i>1</i> 7.4	7.2	6.7	3.
Business	* Aug 2016	2058	-0.3	0.7	0.3	4.8	10.8	8.5	9.8	11
Business	7 tag 2010	2000	0.0	0.4	0.0	4.0	10.0	0.0	0.0	
CANADA										
MONETARY AGGREGATES										
M2+ gross	June 2016	1813	0.4	0.6	0.6	6.3	6.2	6.6	6.1	4.
Personal Deposits (Banks) (2)	July 2016	892						7.6	6.8	3.
REDIT MEASURES										
Consumer	June 2016	556	0.3	0.4	0.4	3.7	2.3	2.7	2.5	3.
Mortgages	June 2016	1396	0.5	0.4	0.4	5.2	6.2	6.2	6.3	5.
Short - Term Business Loans	May 2016	499	0.6	1.4	-0.1	9.4	10.3	11.5	11.4	9.
Business (S.T. + L.T.)	July 2016	1801	1.0	0.6	0.5	5.5	4.4	5.3	5.4	8.4
Private (Consumer+Business) Gov. of Canada securities outstanding	June 2016	3736	0.5	0.5	0.3	4.1	4.7	5.0	5.3	6.
NTEREST AND EXCHANGE RATE	July 2016	688	1.7	-1.0	1.3	9.4	2.8	3.9	3.9	-0
NIERESI AND EXCHANGE KATE	Reference	Last	1 week	2 w.	Averag	e of last Thu	redave	13 w.	26 w.	
	Thursday	day	ago	ago _	13 w.	26 w.	52 w.	ago	ago	`
JNITED STATES										
NTEREST RATES										
Federal Funds Target Rate	* 22 Sept 16	0.50	0.50	0.50	0.50	0.50	0.45	0.50	0.50	
Prime Rate	* 22 Sept 16	3.50	3.50	3.50	3.50	3.50	3.45	3.50	3.50	
3-month Treasury Bills	* 22 Sept 16	0.18	0.29	0.34	0.29	0.27	0.23	0.30	0.29	
2-year Bonds	* 22 Sept 16	0.78	0.74	0.78	0.71	0.74	0.79	0.77	0.89	
5-year Bonds	* 22 Sept 16	1.17	1.19	1.19	1.11	1.18	1.32	1.23	1.38	
10-year Bonds	* 22 Sept 16	1.63	1.70	1.62	1.55	1.66	1.86	1.74	1.90	
30-year Bonds	* 22 Sept 16	2.35	2.47	2.32	2.28	2.43	2.64	2.56	2.67	
Corp. High-yield (BofA ML Master II)	* 22 Sept 16	6.72	6.87	6.69	6.96	7.44	8.08	7.41	8.60	
Corp. Invest. Grade (BofA ML Corp. BBB)	* 22 Sept 16	3.33	3.39	3.32	3.35	3.53	3.91	3.60	4.04	
Spread Corp. High-yield - Treas. 10y.	* 22 Sept 16	5.08	5.17	5.07	5.41	5.78	6.22	5.67	6.70	
Corp. Invest. grade - Treas. 10y.	* 22 Sept 16	1.70	1.69	1.71	1.79	1.87	2.05	1.86	2.14	
Treasuries 30y 3-m. T.B.	* 22 Sept 16	2.17	2.18	1.71	2.00	2.16	2.03	2.26	2.14	
	22 Sept 10	2.17	2.10	1.50	2.00	2.10	2.41	2.20	2.30	
EXCHANGE RATE	* 400	400.00	404.04	404.05	404.47	120.77	404.40	400.00	404.00	40
FED Broad (Jan 97 = 100)	* 16 Sept 16	122.62	121.94	121.95	121.17	120.77	121.42	120.20	121.96	12
CANADA										
NTEREST RATES										
Prime Rate	* 22 Sept 16	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	
Target overnight rate	* 22 Sept 16	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
30-day commercial paper	* 22 Sept 16	0.84	0.87	0.86	0.87	0.88	0.87	0.88	0.88	
3-month Treasury Bills	* 22 Sept 16	0.51	0.51	0.51	0.50	0.51	0.48	0.51	0.45	
1-year Treasury Bills	* 22 Sept 16	0.56	0.56	0.56	0.55	0.55	0.52	0.54	0.54	
5-year Bonds	* 22 Sept 16	0.69	0.73	0.68	0.64	0.68	0.72	0.70	0.71	
10-year Bonds	* 22 Sept 16	1.10	1.20	1.08	1.06	1.18	1.27	1.23	1.24	
30-year Bonds	* 22 Sept 16	1.73	1.84	1.70	1.68	1.82	1.98	1.87	2.03	
SPREADS										
Prime - 30d. Commercial paper	* 22 Sept 16	1.86	1.83	1.84	1.83	1.82	1.83	1.82	1.82	
Long Term - Short Term	* 22 Sept 16	1.22	1.33	1.19	1.18	1.31	1.50	1.36	1.58	
CANADA UNITED STATES SPREADS	* 00.0 : :-			c						
3-month T-Bills	* 22 Sept 16	0.33	0.22	0.17	0.21	0.24	0.25	0.21	0.16	
Long Term Bonds	* 22 Sept 16	-0.62	-0.63	-0.62	-0.60	-0.61	-0.66	-0.69	-0.64	-
EXCHANGE RATE	* 22 Cant 10	0.7660	0.7500	0.7722	0.7600	0.7705	0.7560	0.7020	0.7540	0.
US\$ /CDN\$ (GTIS) Trade-weighted (1990=100) G-10	* 22 Sept 16 * 22 Sept 16	0.7668 89.4	0.7598 88.7	0.7732 90.3	0.7692 89.7	0.7725 90.1	0.7562 88.5	0.7839 91.2	0.7549 88.2	0.
11aue-weigitten (1990=100) G-10	22 Sept 16	89.4	88.7	90.3	89.7	90.1	88.5	91.2	88.2	
TOCK INDICES			Month	ly Growth	(%)	Gr	owth Over	(%)		
	Reference	_	Past	Prev.	Month				Year-to	o-date
	Thursday	Level	Month	Month	Before	3 Months	6 Months	1 Year	ref.	
Dow Jones (U.S.)	* 22 Sept 16	18392.5	-0.7	-0.2	4.4	3.4	4.6	12.6	5.6	
S&P 500 (U.S.)	* 22 Sept 16	2177.2	-0.3	0.3	4.3	4.4	6.2	12.1	6.8	
NASDAQ (U.S.)	* 22 Sept 16	5339.5	1.8	2.8	5.5	10.5	10.7	12.3	6.8	
COD/TOV (C)	* 22 Sept 16	14797.2	0.3	1.0	4.3	5.7	9.7	9.7	13.1	
S&P/TSX (Can.)	22 Sept 10									



Annex - Economic tables

2 - UNITE									
				Annualiz	ed Growth (%	6)			
Reference		•					Since	Year-to-d	ate (9)
Period	Month	Month	<u>Before</u>			12 Mos.	12 Mos.	ref.	pre
* Aug 2016	-0.2	0.5	0.2	2.3	0.9	1.9	1.1	1.4	5
Aug 2016	101.1	96.7	97.4	98.4	96.4	96.7	101.3	96.3	98
									52
Aug 2016	51.8	59.3	59.5	56.9	57.4	58.1	62.3	57.0	61
									17
									2
									2
July 2016	0.3	0.5	0.3	-7.4	0.2	2.5	-6.8	2.0	;
	0.3	0.4	0.2	4.3		2.7	3.0		
July 2016	1.5	0.5	-0.6	-1.3	-6.4	-4.2	-4.9	-4.3	-
July 2016	-0.1	-0.9	0.0	-0.8	-1.4	-2.3	-2.2	-1.9	
July 2016				2.0	0.6	1.3	0.5		
									1
	0.1	0.0	-0.1	-0.9	-2.3 -2.8	-4.1 -2.7	-3.0 -2.9		
July 2016	1.35	1.35	1.36	1.35	1.36	1.36	1.35	1.36	1
* Aug 2016	1142	1212	1195	1183	1158	1157	1132	1161	1
July 2016	12.4	1.7	0.4	50.6	30.4	10.0	31.3	12.0	2
Aug 2016	-0.9	-3.4	1.1	-0.5	6.4	3.4	8.0	3.3	
Aug 2010	0.5	1.2	0.4	0.2	2.5	1.7	4.0	2.5	
									-4
July 2016	-58.3	-64.5	-60.9	-61.2	-60.1	-60.4	-56.8	-60.3	-5
Aug 2016	-529.9	-487.2	-523.6				-424.2	-405.2	-35
Aug 2016	0.2	0.0	0.2	2.2	1.2	8.0	1.1	1.1	
Aug 2016	0.3		0.2	2.1	2.3	2.1	2.3	2.2	
	0.0	-0.4	0.5	2.3	0.7				
Aug 2016	75.5	75.9	75.5	75.6	75.4	75.6	76.7	75.4	7
* Aug 2016	-1.2	-1.9	4.0	26.2	18.0	5.8	5.3	5.4	
Aug 2016	151	275	271	232	175	204	2447	1452	1
Aug 2016	-14	6	8	0	-7	-3	-37	-39	
									1
, lug 2010					7.0	7.3	J. I	7.0	
Q2 2016					Q2 2015	2014	2013	2012	
1.1	0.8	0.9	2.0	2.6	2.0	2.4	2.2	2.3	
4.4	1.6	2.3	2.7	2.9	2.4	3.2	2.9	1.5	
-0.8	-3.4	-0.0	5.8	1.0	1.3	4.1	0.0	J.J	
-1.5	1.6	1.0	1.9	3.2	2.6	1.8	-0.9	-2.9	
1.2	-0.7	-2.7	-2.8	2.8	-5.8	0.1	4.3	3.5	
2.3	2.1	3.0	3.3	3.9	2.0	3.5	3.5	-1.4	
Q2 2016	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	<u>2014</u>	2013	<u>2012</u>	
-0.6	-0.6	-2.4	2.0	1.2	1.1	0.9	0.8	0.3	
4.3 Q2 2016	-0.3 Q1 2016	5.7 Q4 2015	0.8 Q3 2015	3.6 Q2 2015	0.7 Q1 2015	2.0 2014	2.0 2013	1.0 2012	
		-453.6	-492.4	-447.6	-458.2	-463.0	-392.1	-366.4	
-479.5	-527.4						-2.3	-2.2	
-479.5 -2.6	-2.9	-2.5	-2.7	-2.5	-2.6	-2.6			
-479.5 -2.6 Q2 2016	-2.9 Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	2014	2013	2012	
-479.5 -2.6 Q2 2016 -4.7	-2.9 Q1 2016 14.1	Q4 2015 -22.3	Q3 2015 -3.2	Q2 2015 -11.4	Q1 2015 -6.8	<u>2014</u> -3.0	2013 5.9	2012 1.7	
-479.5 -2.6 Q2 2016 -4.7 10.9	-2.9 Q1 2016 14.1 11.1	Q4 2015	Q3 2015	Q2 2015	Q1 2015	2014	2013	2012	
-479.5 -2.6 Q2 2016 -4.7	-2.9 Q1 2016 14.1 11.1	-22.3 10.8	-3.2 11.6	Q2 2015 -11.4 11.7	-6.8 12.2	-3.0 11.6	2013 5.9 12.0	2012 1.7 12.5	
-479.5 -2.6 Q2 2016 -4.7 10.9	-2.9 Q1 2016 14.1 11.1	Q4 2015 -22.3	-3.2 11.6 Homes S	Q2 2015 -11.4 11.7	-6.8 12.2	2014 -3.0 11.6	2013 5.9 12.0 ed to same p	2012 1.7 12.5	
	* Aug 2016 July 2016 Aug 2016	Monthest	Nonthly Growth Past Prev. Period Month Mon	Period Month Month Before	Reference Period Past Prev. Month Ave Prev. Month Month Reference Period Month Month Reference Reference Period Month Month Reference Reference	Reference Period Past Prev. Month Month Sefore Month Month Before Month Sefore Month Month Sefore Month Month Month Sefore Sefore Month Sefore Sefore Month Sefore Sefore Sefore Month Sefore Sef	Reference Past Prev. Month Average of the last Name of th	Reference Past Prev Month Month Month Month Refore Sumos 6 Mos 12 Mos	Reference Period Post Prev. Month Mounth Before 3 Mos. 6 Mos. 12



Annex - Economic tables

IABL	E 3 - CAN				C IND	ICAIC	JK5			
			nber 23 , ly Growth (Δηρικοί	lized Growtl	n (%)			
Growth Rates Unless Otherwise Indicated	Reference Period	Past Month	Prev. Month	Month Before		rage of the I		Since 12 Mos.	Year-to-d	late (6)
CFIB Business Barometer ®	Aug 2016	3.7	-3.9	3.0	19.6	5.2	-7.5	5.5	-4.9	<u>.</u>
OOMESTIC DEMAND	7.0g 20.10	0	0.0	0.0	10.0	0.2	7.0	0.0		
Retail Sales (\$ current)	* July 2016	-0.1	0.0	0.0	8.0	2.9	3.3	2.3	4.2	
- Motor vehicle and parts dealers	* July 2016	-0.2	1.7	-2.3	-9.8	1.9	8.0	4.2	8.8	
- Other tetail Sales (\$ constant)	* July 2016 * July 2016	-0.1 0.3	-0.6 -0.3	0.8 -0.1	4.7 -2.4	3.3 2.3	1.7 2.0	1.7 2.0	2.7 2.8	
denotes to the control of the contro	lh. 2040	0.4	0.0	0.5	2.2	2.0	0.0	0.0	0.0	
lanufacturer's Shipments (\$ current) ew Orders	July 2016 July 2016	0.1 -2.9	0.8 0.7	-0.5 1.9	2.3 23.7	-3.8 -1.9	-0.6 -2.7	-2.6 -7.7	0.2 -1.5	-
- Durables	July 2016	-5.6	1.2	3.2	35.0	-0.8	-1.8	-11.0	-0.5	-
nfilled Orders	July 2016	-0.1	1.6	1.7	7.7	-9.5	-3.1	-6.2	-7.8	1
lanufacturer's Inventories eventories / Shipments Ratio	July 2016 July 2016	1.0 1.41	-0.2 1.40	0.1 1.41	-0.5 1.41	-4.4 1.41	0.7 1.41	-2.1 1.40	-1.0 1.41	1
anufacturer's Shipments (\$ constant)	July 2016	0.6	0.3	-1.9	-1.8	-0.1	-0.1	-0.5	1.1	
ousing Starts (000) (1)	* Aug 2016	182.4	194.6	218.4	198.5	195.6	198.4	214.0	195.6	18
umber of existing homes sold (MLS)	* Aug 2016	-3.1	-1.3	-1.0	-12.2	8.4	7.0	1.3	8.0	
RODUCTION eal Domestic Product	June 2016	0.6	-0.6	0.1	-1.2	1.0	1.0	1.1	1.3	
- Manufacturing	June 2016	1.8	-2.5	0.1	-4.8	0.2	0.3	0.9	0.8	
- Construction	June 2016	-0.4	-0.8	-0.1	-2.9	-2.6	-5.0	-3.3	-3.8	
ervices	June 2016	0.2	0.2	0.2	2.0	2.4	2.1	2.3	2.3	
XTERNAL, FISCAL AND EXCHANGE BALAN	ICES July 2016	3.4	0.1	-0.8	-2.1	-11.2	-1.7	-7.0	-2.5	
kports Iports	July 2016 July 2016	3.4 -0.1	0.1	-0.8 -0.5	-2.1 0.6	-11.2 -4.4	-1.7 1.1	-7.0 -2.6	-2.5 -0.2	
- Capital Goods	July 2016	-2.6	-1.7	-4.4	-12.0	-5.8	1.8	-8.4	-1.6	
erch. Trade Balance (\$ millions)	July 2016	-2,488	-3,966	-3,636	-3,363	-3,214	-2,449	-479	-2,853	-1,
nange in Official Reserves Level (US\$): \$83.8 billion	Aug 2016	852	-617	-777	-181	411	492	5,903	4,003 Fiscal	5, vear
ed. budget balance last 12 months (\$ billions)	June 2016	-8.0	-5.8	-3.8				8.9	-1.0	yuai
FLATION AND COSTS	*				. =					
onsumer Prices - Excluding Food and Energy	* Aug 2016 * Aug 2016	-0.2 0.0	-0.2 -0.1	0.2 0.1	1.8 1.4	2.6 2.9	1.4 1.8	1.1 1.9	1.5 1.9	
- Core inflation (4)	* Aug 2016	0.0	0.0	0.1	1.4	2.9	2.0	1.9	2.0	
verage Hourly Earnings (2)	Aug 2016						2.6	1.5	2.4	
rice of New Housing icluding land	July 2016	0.4	0.1	0.7	4.6	2.6	1.9	2.8	2.2	
vg. Price of Existing Homes Sold (MLS) dustrial Prices (1992=100)	* Aug 2016 July 2016	-2.6 0.2	-1.1 0.7	-0.3 1.2	-8.3 4.8	9.5 -2.2	11.6 -0.6	6.2 -1.3	12.7 -0.9	
ABOUR MARKET	A 0046	0.0	2.4	0.4	^ -	0.0	4.0	2.4		
abour Force ob creation (000)	Aug 2016 Aug 2016	0.2 26.2	-0.1 -31.2	-0.1 -0.7	-0.7 -1.9	0.2 7.8	1.0 6.5	0.4 77.4	0.9 38.6	11
- Manufacturing	Aug 2016	2.9	5.6	-12.9	-1.5	-6.8	-1.4	-17.3	-43.9	
- Services	Aug 2016	15.4	-26.9	45.5	11.3	23.1	10.1	121.3	113.7	10
- Full Time	Aug 2016	52.2	-71.4	-40.1	-19.8	5.7	-3.0	-35.7	-12.1	1
- Part Time nemployment Rate	Aug 2016 Aug 2016	-26.0 7.0	40.2 6.9	39.4 6.8	17.9 6.9	2.1 7.0	9.4 7.0	113.1 7.0	50.7 7.0	
ATIONAL ACCOUNTS AND OTHER	-		alized Gro							
UARTERLY INDICATORS DP Chained (2007) \$	Q2 2016 -1.6		Q4 2015 0.5			Q1 2015 -1.0	2015 1.1	2014 2.5	2013 2.2	
ousehold consumption	2.2	2.4	1.8	2.3	2.3	-0.1	1.9	2.6	2.4	
usiness Investments, non-res., mach. & equip		-8.1	-12.5	-11.4	-15.5	-23.2	-10.6	0.0	2.5	
-Machinery and Equipment esidential Construction	1.9 1.2	-0.7 11.3	-8.1 1.8	-6.7 2.6	-15.7 0.1	-5.1 6.6	-2.4 3.8	1.0 2.5	-6.7 -0.4	
overnment Expenditures	4.2	2.7	0.4	0.6	2.8	4.7	1.7	0.3	0.3	
overnment Fixed Capital Formation	2.7	-1.3	-4.0	-1.6	-0.6	1.9	2.5	4.0	-6.4	
nal Domestic Demand oports	2.2 -16.7	1.8 8.0	-0.3 -1.5	0.3 9.0	-0.1 1.2	-2.2 0.9	0.3 3.4	1.6 5.3	1.3 2.8	
ports	1.1	1.6	-1.5 -7.0	-2.8	-1.8	0.9	0.3	1.8	1.5	
nange in Inventories, chained (2007) \$ (5)	0.5	-9.0	-5.6	-0.2	6.8	14.6	3.9	9.9	15.5	
eal Disposible Income	4.6	3.4	1.1	-2.6 4.3	7.4 5.2	0.8	2.6	1.2	3.4	
ersonal savings Rate DP Price Deflator	4.2 1.4	4.1 -1.4	4.2 0.0	4.3 0.0	5.2 1.8	4.8 -3.2	4.6 -0.5	4.2 1.7	5.4 1.6	
orporate Profits (nominal)	-33.0	-2.7	-19.1	-5.1	-2.6	-44.1	-15.8	7.0	0.8	
as a % of GDP	9.8	10.9	11.0	11.6	11.8	11.9	11.6	13.8	13.5	
dust. Capacity Utilization Rate abour Productivity, Business Sector	80.0 -1.3	81.4 1.4	80.9 -0.1	81.2 0.6	80.2 -3.9	81.4 -2.7	80.9 -0.4	82.1 2.5	80.8 1.3	
nit Labour Cost, Business Sector	3.0	-1.9	3.5	-1.5	2.2	5.7	1.9	1.1	1.6	
	Q2 2016	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	<u>2015</u>	<u>2014</u>	2013	
urrent Account (current \$) (5) as a % of GDP	-79.4 -4.0	-66.4 -3.3	-62.8 -3.2	-61.8 -3.1	-58.0 -2.9	-67.9 -3.4	-62.6 -3.2	-44.9 -2.3	-59.7 -3.0	
ources: Datasteam and Canadian Real Estate Update	Association									
•	(4) C D !! !	ling the O	st voletile :	omne	and the	ffoot of in it	oot to			
) Annual Rate 2) Not Seasonally Adjusted	(4) C.P.I. exclud (5) Annual rate,	-	st volatile c	omponents	s and the e	ffect of indi	ect taxes			



Annex - Economic tables

TABL	E 4 - PROV				IC IND	DICATO	DRS			
		•	nber 23,		Annualizad	d Crouth (9/	`			
Growth Rates Unless	Reference	Past	y Growth (Month _	Avera	d Growth (% age of the last	st	Since	Year-to-c	late (3)
Otherwise Indicated	<u>Period</u>	<u>Month</u>	<u>Month</u>	<u>Before</u>	<u>3 Mos.</u>	<u>6 Mos.</u>	12 Mos.	<u>12 Mos.</u>	<u>ref.</u>	pre
QUEBEC										
DOMESTIC DEMAND AND REVENUE Retail Sales	* July 2016	0.2	-0.4	1.0	2.5	4.5	3.2	3.8	4.5	-0.
Manufacturing Shipments	July 2016	0.2	0.6	1.0	8.7	-7.4	-2.2	-3.1	-2.6	0.
Housing Starts (000) (2)	* Aug 2016	35.9	32.4	38.4	35.6	35.6	38.2	39.8	36.5	34.
Number of existing homes sold (MLS)	* Aug 2016	-1.5	0.7	0.0	1.3	5.3	5.3	3.0	5.7	5.
Wages and Salaries Value of merchandise exports (1)	June 2016 July 2016	0.5	0.7	-1.2	1.1	3.6	2.2 -0.6	2.9 -7.8	2.6 -3.4	2. 11.
CFIB Business Barometer ®	Aug 2016	1.3	4.1	1.9	6.3	10.2	5.7	13.3	9.4	-3.
PRICES	_									
Consumer Price Index (1)	* Aug 2016	-0.2	-0.3	-0.2	-0.9	1.4	0.8 3.0	0.1 2.5	0.8 2.9	1. 1.
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	Aug 2016 July 2016	0.1	0.0	0.0	0.2	0.8	0.6	0.8	0.7	0
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	2.0	-0.7	0.5	5.7	2.5	2.3	3.2	2.6	1
LABOR MARKET										
Job creation (000)	Aug 2016	21.9	-4.0	-11.2	2.2	3.1	2.8	33.6	19.1	34
Unemployment rate	Aug 2016	7.1	7.0	7.0	7.0	7.2	7.4	8.0	7.3	7
Participation rate	Aug 2016	64.4	64.1	64.2	64.2	64.3	64.6	65.0	64.4	64.
ONTARIO DOMESTIC DEMAND AND REVENUE										
Retail Sales	* July 2016	0.8	0.0	0.0	0.6	3.2	5.2	3.3	5.6	3
Manufacturing Shipments	July 2016	-0.1	1.2	-1.1	-3.1	-1.7	4.7	-0.1	5.7	0
Housing Starts (000) (2) Number of existing homes sold (MLS)	Aug 2016 * Aug 2016	72.2 -0.5	75.4 -0.1	87.8 0.2	78.5 3.2	76.8 12.5	76.1 8.0	95.0 6.3	75.5 8.1	64 10
Wages and Salaries	June 2016	0.6	0.2	0.2	3.2 4.4	4.1	3.9	4.3	3.9	3
Value of merchandise exports (1)	July 2016	0.0	0.2	0.2	7.7	4.1	9.5	-7.7	7.5	10
CFIB Business Barometer ®	Aug 2016	2.4	-0.5	-6.6	-0.3	3.5	-4.6	2.3	-2.9	-1
PRICES										
Consumer Price Index (1)	* Aug 2016	-0.3	-0.1	0.2	2.0	3.2	1.5	1.5	1.7	1
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	Aug 2016 July 2016	0.8	0.4	1.4	9.9	4.8	3.0 3.7	1.5 5.3	2.8 4.2	2
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	1.9	1.1	1.4	18.0	17.5	11.1	15.7	12.9	7
LABOR MARKET										
Job creation (000)	Aug 2016	10.5	-36.1	-4.2	-9.9	0.4	3.1	37.2	11.0	58
Unemployment rate	Aug 2016	6.7	6.4	6.4	6.5	6.7	6.7	6.8	6.7	6.
Participation rate	Aug 2016	64.8	64.6	65.0	64.8	65.0	65.1	65.3	65.1	65
NEWFOUNDLAND & LABRADOR DOMESTIC DEMAND AND REVENUE										
Retail Sales	* July 2016	-6.2	0.7	1.1	-2.2	1.4	1.4	-3.9	1.9	-0
Manufacturing Shipments	July 2016	2.5	-0.1	-4.9	14.7	-25.0	-12.3	-22.9	-20.9	-9
Housing Starts (000) (2) Number of existing homes sold (MLS)	Aug 2016 * Aug 2016	1.7 4.9	1.4 -11.1	1.5 7.8	1.5 -7.3	1.4 11.5	1.7 2.1	1.6 -0.6	1.7 1.5	1
Wages and Salaries	June 2016	0.9	-1.4	0.6	3.0	-0.9	1.1	-0.4	-0.2	3
Value of merchandise exports (1)	July 2016	0.0		0.0	0.0	0.0	-16.9	19.8	-17.3	-37
CFIB Business Barometer ®	Aug 2016	-24.4	9.3	2.5	-12.8	-45.4	-13.8	-33.7	-17.3	-14
PRICES Consumer Price Index (1)	* Aug 2016	-0.2	0.9	1.1	8.8	4.6	1.7	3.0	2.2	0
Average Hourly Earnings (1)	Aug 2016						-1.1	0.3	-1.0	-1
Price of New Housing Inc. Land (1)	July 2016	-0.3	0.0	0.1	-0.4	0.1	0.4	-0.1	0.3	C
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	2.5	-5.9	6.3	3.4	-8.1	-5.2	-9.7	-7.5	-4
LABOR MARKET Job creation (000)	Aug 2016	3.9	-5.0	-1.8	-1.0	0.7	-0.3	-3.3	3.1	1
Unemployment	Aug 2016 Aug 2016	12.3	-5.0 12.8	-1.8 12.0	-1.0 12.4	12.4	-0.3 13.1	-3.3 11.7	12.9	12
Participation rate	Aug 2016	60.5	59.8	60.6	60.3	60.5	60.8	61.3	60.5	61
PRINCE EDWARD ISLAND										
DOMESTIC DEMAND AND REVENUE Retail Sales	* July 2016	-0.1	0.1	0.7	6.1	6.8	5.2	5.8	6.5	
Manufacturing Shipments	July 2016	6.3	-11.0	9.4	12.6	-3.7	-0.6	-2.7	1.1	4
Housing Starts (000) (2)	Aug 2016	0.9	0.4	0.3	0.6	0.6	0.6	0.6	0.5	C
Number of existing homes sold (MLS) Wages and Salaries	* Aug 2016	10.8	-5.1	-5.9 -0.1	-1.5 3.4	46.9	25.3	17.1	24.7	17
Value of merchandise exports (1)	June 2016 July 2016	0.6	0.4	-0.1	3.4	2.1	4.5 7.3	3.9 8.0	4.2 1.8	19
CFIB Business Barometer ®	Aug 2016	2.5	1.1	-9.3	4.5	24.4	-1.4	4.7	-2.8	19
PRICES Consumer Price Index (1)	* Aug 2016	-0.4	-0.5	0.3	0.8	2.6	0.6	0.4	1.0	-(
Average Hourly Earnings (1)	Aug 2016	5	3.0	0	0		1.4	3.8	1.1	:
Price of New Housing inc. Land (1)	July 2016	0.0	0.0	-0.4	-1.3	1.9	0.2	-0.1	0.2	(
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	8.6	-6.1	11.3	19.6	30.7	3.9	24.0	8.7	:
LABOR MARKET	Aug 2016	-0.2	0.0	-0.4	-0.2	-0.1	-0.1	4.4	-1.6	
Job creation (000) Unemployment	Aug 2016 Aug 2016	-0.2 12.1	9.6	-0.4 11.0	-0.2 10.9	-0.1 10.9	-0.1 10.4	-1.1 10.5	-1.6 10.8	-1 10
Participation rate	Aug 2016	66.3	64.7	65.8	65.6	65.8	66.3	66.8	65.9	6
			ciation							



Annex - Economic tables

TABLE 4 - FROVI	NOIAL ECC	Senten	nber 23,	2016	ORS (Continues from page A4)						
			y Growth (Annuali	ized Growth	(%)				
Growth Rates Unless	Reference	Past	Prev.	Month	Avera	age of the las	st	Since	Year-to-d	ate (3	
Otherwise Indicated	<u>Period</u>	<u>Month</u>	<u>Month</u>	<u>Before</u>	<u>3 Mos.</u>	<u>6 Mos.</u>	12 Mos.	<u>12 Mos.</u>	<u>ref.</u>	<u>10</u>	
OVA SCOTIA											
DOMESTIC DEMAND AND REVENUE Retail Sales	* July 2016	0.6	-0.8	0.1	-1.2	2.0	3.1	0.8	4.5		
Manufacturing Shipments	July 2016	-1.9	-1.6	7.8	21.0	-4.0	6.9	0.5	4.9		
Housing Starts (000) (2)	Aug 2016	2.7	4.3	4.9	4.0	3.4	3.3	3.5	3.4		
Number of existing homes sold (MLS)	* Aug 2016	-3.1	2.4	-2.6	-12.7	1.9	6.5	29.3	7.1		
Wages and Salaries	June 2016	1.1	-0.8	-0.3	0.0	1.7	2.5	2.0	2.1		
Value of merchandise exports (1)	July 2016						7.2	-8.3	0.1		
CFIB Business Barometer ®	Aug 2016	6.6	-4.9	-3.8	-22.6	-14.1	2.5	-5.2	-1.3		
PRICES											
Consumer Price Index (1)	* Aug 2016	0.0	-0.5	0.2	1.5	2.7	0.9	0.9	1.1		
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	Aug 2016 July 2016	0.3	0.0	0.1	0.8	0.1	0.9 0.3	4.1 0.3	2.0 0.1		
The of New Housing Inc. Land (1)	July 2010	0.5	0.0	0.1	0.0	0.1	0.5	0.5	0.1		
LABOR MARKET											
Job creation (000)	Aug 2016	-0.1	-1.4	0.6	-0.3	0.1	-0.2	-2.9	-0.7		
Unemployment Participation rate	Aug 2016 Aug 2016	8.5 61.6	8.4 61.6	8.2 61.7	8.4 61.7	8.5 61.9	8.5 62.0	8.4 62.2	8.6 61.9		
·	Aug 2010	01.0	01.0	01.7	01.7	6.10	02.0	02.2	01.9		
EW BRUNSWICK DOMESTIC DEMAND AND REVENUE											
Retail Sales	* July 2016	-6.9	2.3	-1.3	-3.4	0.1	4.9	-3.1	5.3		
Manufacturing Shipments	July 2016	2.3	-3.9	-4.5	10.3	1.8	-12.7	-12.1	-10.5		
Housing Starts (000) (2)	Aug 2016	1.9	1.5	1.5	1.6	1.8	1.9	2.1	1.7		
Number of existing homes sold (MLS)	* Aug 2016	3.2	1.7	2.4	39.1	4.5	5.4	5.1	5.1		
Wages and Salaries	June 2016	0.1	0.4	0.1	4.5	3.1	3.5	4.7	3.6		
Value of merchandise exports (1) CFIB Business Barometer ®	July 2016 Aug 2016	-0.5	-2.5	13.8	69.2	-4.0	-17.6 -2.5	-9.7 3.2	-19.0 -2.3		
PRICES	3										
PRICES Consumer Price Index (1)	* Aug 2016	-0.3	0.7	0.3	4.5	3.8	1.5	2.2	1.9		
Average Hourly Earnings (1)	Aug 2016						0.3	2.9	0.5		
Price of New Housing inc. Land (1)	July 2016	0.0	0.0	0.0	0.0	-0.1	0.3	0.0	0.3		
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	2.0	0.5	-0.9	9.6	4.3	1.3	7.9	1.4		
LABOR MARKET	Aug 2016	2.0	5.0	1 2	1 1	0.0	0.4	0.0	10		
Job creation (000) Jnemployment	Aug 2016 Aug 2016	-3.0 9.4	5.0 9.7	1.2 10.3	1.1 9.8	0.9 9.9	0.1 9.5	0.9 9.8	-1.2 9.8		
Participation rate	Aug 2016	62.2	63.0	62.5	62.6	62.2	62.2	62.5	62.2		
ANITOBA											
DOMESTIC DEMAND AND REVENUE											
Retail Sales	* July 2016	-0.9	-0.2	0.8	-2.5	3.4	4.5	1.9	5.9		
Manufacturing Shipments	July 2016	-3.1	0.1	-5.1	-16.9	-5.3	0.0	-5.2	0.3		
Housing Starts (000) (2) Number of existing homes sold (MLS)	Aug 2016 * Aug 2016	4.9 -3.7	8.1 1.1	5.2 -0.4	6.1 -11.8	5.3 6.0	5.4 4.6	4.9 -2.2	5.3 5.2		
Number of existing nomes sold (MLS) Wages and Salaries	Aug 2016 June 2016	-3.7 0.6	1.1 -0.5	-0.4 0.2	-11.8 0.6	6.0 1.8	3.0	-2.2 1.9	2.6		
Value of merchandise exports (1)	July 2016	0.0	.0.0	0.2	5.0	1.0	2.9	2.6	0.7		
CFIB Business Barometer ®	Aug 2016	-0.6	-2.4	0.1	9.5	-18.0	-1.2	4.2	-1.1		
PRICES											
Consumer Price Index (1)	* Aug 2016	0.2	-0.8	0.9	3.6	2.6	1.5	1.1	1.5		
Average Hourly Earnings (1) Price of New Housing inc. Land (1)	Aug 2016	0.1	0.2	0.2	2.4	1.6	3.4 1.6	0.8 1.6	2.8 1.7		
Avg. Price of Existing Homes Sold (MLS)	July 2016 * Aug 2016	0.1	-0.1	1.6	6.2	2.8	1.6 1.7	1.2	2.1		
_ABOR MARKET											
Job creation (000)	Aug 2016	-2.4	0.2	0.0	-0.7	0.5	-0.1	-1.7	-0.1		
Unemployment	Aug 2016 Aug 2016	5.9 67.3	6.2 67.8	6.1	6.1 67.7	6.0 67.7	5.9 67.8	5.7 68.2	6.0 67.7		
Participation rate	Aug 2016	67.3	67.8	67.9	67.7	67.7	67.8	68.2	67.7		
ASKATCHEWAN DOMESTIC DEMAND AND REVENUE											
Retail Sales	* July 2016	-3.3	3.3	-0.7	3.9	2.9	-0.6	0.8	1.1		
Manufacturing Shipments	July 2016	-3.6	1.2	1.2	6.9	-4.2	-6.7	-4.3	-3.4	-	
Housing Starts (000) (2)	Aug 2016	6.6	5.9	4.8	5.7	4.9	5.0	4.3	4.9		
Number of existing homes sold (MLS)	* Aug 2016	-4.9	4.5	-3.0	-12.3	-12.0	-7.3	-9.7	-6.2		
Wages and Salaries	June 2016	0.4	-0.5	0.3	-0.5	-0.2	0.5	0.2	-0.1		
Value of merchandise exports (1) CFIB Business Barometer ®	July 2016 Aug 2016	7.4	-6.6	6.5	42.7	-17.1	-16.6 -5.9	-17.9 -11.2	-23.1 -3.0	-	
PRICES											
Consumer Price Index (1)	* Aug 2016	-0.2	-0.4	0.5	1.4	2.2	1.4	0.7	1.3		
Average Hourly Earnings (1)	Aug 2016						2.9	2.6	3.0		
Price of New Housing inc. Land (1) Avg. Price of Existing Homes Sold (MLS)	July 2016 * Aug 2016	-0.1 1.4	-0.1 1.4	-0.1 0.9	-1.8 8.4	-2.0 1.5	-1.4 -1.6	-2.0 1.9	-1.6 -1.1		
		٠.٠		0.0	5.7	0		1.0			
LABOR MARKET	Aug 2016	0.4	0.5	1.0	0.0	0.6	0.4	4 5	6.1		
Job creation (000) Unemployment	Aug 2016 Aug 2016	-0.4 6.3	-0.5 6.3	1.0 6.1	0.0 6.2	0.6 6.2	-0.4 5.9	-4.5 4.8	-6.1 6.1		
Participation rate	Aug 2016	69.8	69.9	69.9	69.8	69.8	70.1	69.8	69.8		
	and Canadian Real	actata Acca	ciation								



Annex - Economic tables

A division of National Bank of Canada

		Septer	nber 23,	2016						
		Monthl	y Growth (%) _	Annualize	d Growth (%	5)			
Growth Rates Unless	Reference	Past	Prev.	Month	Aver	age of the la		Since	Year-to-da	ate (3)
Otherwise Indicated	Period	<u>Month</u>	<u>Month</u>	<u>Before</u>	<u>3 Mos.</u>	<u>6 Mos.</u>	<u>12 Mos.</u>	<u>12 Mos.</u>	<u>ref.</u>	pred
ALBERTA										
DOMESTIC DEMAND AND REVENUE										
Retail Sales	* July 2016	-0.8	-0.6	-1.2	-3.2	-3.1	-3.5	-3.8	-2.0	-3
Manufacturing Shipments	July 2016	-1.5	2.0	-1.2	11.0	-10.0	-14.6	-11.3	-13.0	-11
Housing Starts (000) (2)	Aug 2016	20.0	25.8	24.1	23.3	23.8	27.2	34.6	23.6	39
Number of existing homes sold (MLS)	* Aug 2016	-4.0	-0.2	3.3	10.4	0.2	-15.8	-12.4	-11.4	-20
Wages and Salaries	June 2016	0.4	-2.1	0.0	-7.1	-6.0	-4.3	-5.5	-5.3	2
Value of merchandise exports (1)	July 2016	0.4	-2.1	0.0	-7.1	-0.0	-25.4	-27.9	-24.2	-21
CFIB Business Barometer ®	Aug 2016	-2.5	9.9	22.8	409.9	31.2	-36.2	12.8	-24.8	-34
CFIB Busiless Balofficiel ®	Aug 2010	-2.5	5.5	22.0	405.5	31.2	-30.2	12.0	-24.0	-34.
PRICES										
Consumer Price Index (1)	* Aug 2016	0.2	-0.5	0.5	2.1	2.0	1.4	0.7	1.3	1
Average Hourly Earnings (1)	Aug 2016						3.0	0.2	2.5	3.
Price of New Housing inc. Land (1)	July 2016	0.0	-0.4	0.1	-0.7	-0.6	-0.3	-0.4	-0.4	1
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	-2.2	3.4	-0.7	6.4	2.3	-1.6	0.6	-0.6	-1.
LABOR MARKET										
Job creation (000)	Aug 2016	2.7	-1.4	-1.9	-0.2	-4.4	-4.5	-53.4	-35.2	-1.
Unemployment	Aug 2016	8.4	8.6	7.9	8.3	7.8	7.5	6.1	7.8	5.
Participation rate	Aug 2016	72.2	72.3	71.8	72.1	72.2	72.6	73.0	72.4	73.
BRITISH COLUMBIA										
DOMESTIC DEMAND AND REVENUE										
Retail Sales	* July 2016	0.9	0.1	-0.1	5.2	6.7	6.3	6.4	6.6	6.
Manufacturing Shipments	July 2016	2.2	-0.3	1.2	7.0	4.9	0.3	4.0	1.9	4.
Housing Starts (000) (2)	* Aug 2016	35.4	39.5	49.8	41.6	41.9	39.1	27.4	42.6	31.
Number of existing homes sold (MLS)	* Aug 2016	-10.0	-6.2	-5.8	-49.2	8.8	23.1	-4.2	23.3	21.
Wages and Salaries	June 2016	0.2	-0.2	-5.6 1.2	6.1	4.4	3.8	3.8	3.7	3
Value of merchandise exports	July 2016	9.1	-0.3	-1.0	1.2	1.4	0.7	7.2	0.9	0
CFIB Business Barometer ®	Aug 2016	-1.2	-0.2 -4.1	3.1	13.5	6.0	-8.0	2.3	-7.1	-2
PRICES Consumer Price Index (1)	* Aug 2016	0.1	0.2	0.3	3.9	3.3	1.8	2.0	1.9	0
		0.1	0.2	0.3	3.9	3.3	1.7	0.9		2
Average Hourly Earnings (1)	Aug 2016	0.0	0.4	4.0	7.4				1.1	
Price of New Housing inc. Land (1)	July 2016	0.6	0.4	1.0	7.4	5.9	3.2	5.3	4.2	0.
Avg. Price of Existing Homes Sold (MLS)	* Aug 2016	-14.9	-0.9	-1.8	-31.0	0.4	14.1	-7.4	14.1	10.
LABOR MARKET										
Job creation (000)	Aug 2016	-6.6	12.1	16.0	7.2	5.8	6.0	72.6	50.4	29
Unemployment	Aug 2016	5.5	5.6	5.9	5.7	5.9	6.2	6.2	6.1	6
Participation rate	Aug 2016	64.1	64.4	64.4	64.3	64.3	64.2	63.5	64.3	63.

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

FINANCIAL MARKETS

Annex - Economi	5 - INTERI	<u>ΝΔΤΙΩΙ</u>	VAI F	CONC	OMIC	INDIC	TORS			
TABLE	J-INILKI		mber 23			INDICA	17000	•		
			nly Growth (Annus	alized Growt	h (%)			
Growth Rates Unless	Reference	Past	Prev.	Month		rage of the		Since	Year-to-c	late (2
Otherwise Indicated	Period	<u>Month</u>	<u>Month</u>	<u>Before</u>	3 Mos.	6 Mos.	12 Mos.	<u>12 Mos.</u>	<u>ref.</u>	р
OECD leading index	July 2016	0.0	0.0	0.0	-0.1	-0.4	-0.6	-0.5	-0.6	
APAN										
Consumer confidence - percenbtage (1)	Aug 2016	42.6	41.6	42.5	42.2	41.8	41.5	42.2	41.5	
Retail Sales (1)	July 2016	72.0	41.0	72.0	72.2	41.0	-0.4	-0.2	-0.8	
Industrial Production, Volume Index	July 2016	-0.4	2.3	-2.6	1.4	-2.7	-1.7	-0.9	-2.3	
Exports	* Aug 2016	0.0	-1.7	1.1	-5.1	-11.6	-7.8	-10.7	-9.7	
Imports	* Aug 2016	-1.3	-1.7	0.3	-7.5	-22.2	-16.6	-21.0	-18.4	_
Merchandise trade bal. (Billions of ¥)	July 2016	3,616	4,658	3,286	3,853	3,737	2,134	-1,207	24,604	-7
Current account (Billions of ¥) Inflation (CPI)	July 2016 July 2016	145 -0.2	165 0.1	141 -0.1	150 -0.8	161 -0.4	154 0.0	138 -0.4	1,111 -0.2	
Job offers to applicants ratio	July 2016	1.37	1.37	1.36	1.37	1.34	1.29	1.21	1.33	
Unemployment Rate	July 2016	3.0	3.1	3.2	3.1	3.2	3.2	3.3	3.2	
• •	,	Q2 2016	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	2015	2014	
Gross Domestic Product (Constant Yen)		0.7	2.1	-1.7	2.1	-1.9	5.0	0.6	-0.1	
uro-zone										
Volume Retail Sales	July 2016	1.1	-0.1	0.4	2.6	1.7	2.3	2.4	1.9	
Industrial Production exc. Construction	July 2016	-1.1	0.9	-1.1	-1.8	0.0	1.5	-0.6	1.0	
Exports Imports	July 2016 July 2016	-1.1 1.4	1.0 1.4	-1.7 -1.3	-3.8 -3.0	-1.2 -4.6	0.1 -1.9	-3.5 -2.6	-1.8 -4.0	
Merch. Trade Bal. (Millions of euros)	July 2016 July 2016	20,041	23,808	24,083	-3.0 22,644	24,309	24,570	23,171	157,937	137
Inflation (CPI)	Aug 2016	0.1	-0.6	0.2	0.3	1.1	0.1	0.2	0.0	10
Unemployment Rate	July 2016	10.1	10.1	10.1	10.1	10.2	10.4	10.8	10.2	
Gross Domestic Product (Constant Euro)		Q2 2016 1.2	Q1 2016 2.1	Q4 2015	Q3 2015 1.5	Q2 2015 1.4	Q1 2015 3.3	2013 -0.4	2012 -0.7	
						***	0.0	0	0	
INITED KINGDOM Consumer Confidence (Diffusion index)	Aug 2016	-8	-9	-1	-6	-3	-1	3	-2	
Retail Sales	Aug 2016	-0.2	1.9	-0.8	6.3	5.0	4.7	6.2	4.9	
Manufacturing, energy and mining output	July 2016	0.1	0.0	-0.7	4.1	2.1	1.1	2.1	1.1	
Exports (1)	July 2016	3.4	1.0	-8.4	-8.5	12.2	-1.4	10.3	1.2	
Imports (1)	July 2016	-0.9	5.1	-3.3	13.2	10.6	0.2	8.1	3.2	
Merchandise Trade Bal. (Millions of £)	July 2016	-11,764	-12,920	-11,359	-12,014	-11,553	-10,403	-10,361	-79,274	-73
Inflation (CPI harmonized) (1)	Aug 2016	0.4	-0.1	0.2	1.5	1.3	1.3	1.3	1.3	
Producer price index, manufacturing (1)	Aug 2016	0.1	0.3	0.3	2.8	1.8	-0.8	0.8	-0.4	
House prices Unemployment Rate (3-month mov. av.)	Aug 2016 July 2016	-0.2 4.9	-1.1 4.9	1.2 4.9	3.0 4.9	6.8 5.0	8.7 5.1	4.1 5.5	8.3 5.0	
onemployment rate (o mentir more arr.)	ou., 2010						Q1 2015	2015	2014	
Gross Domestic Product (Constant £)		Q2 2016 2.4	Q1 2016 1.8	2.8	1.8	Q2 2015 1.7	1.8	2.2	3.1	
NTEREST AND EXCHANGE RAT	ES									
	Reference Thursday	Current Week	Prev. Week	Week Before	Averag	je of last Thi 26 W.	urdays 52 W.	13 w. ago	26 w. <u>ago</u>	
APAN										
Prime Rate	* 22 Sept 16	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	
3-month Financing Bill Rate	* 22 Sept 16	na	-0.37	-0.29	-0.28	-0.30	-0.17	-0.24	-0.12	
- Spread with U.S.	* 22 Sept 16	na	-0.66	-0.63	-0.56	-0.57	-0.40	-0.54	-0.41	
Yield on 10-year Gov't Bonds	22 Sept 16	-0.02	-0.05	-0.05	-0.14	-0.12	0.04	-0.14	-0.10	
- Spread with U.S. Exchange Rate (¥/U.S.\$)	* 22 Sept 16 * 22 Sept 16	-1.65 100.7	-1.75 102.1	-1.66 102.5	-1.69 102.5	-1.78 105.4	-1.82 111.4	-1.88 106.2	-2.00 112.9	
uro Zone	55\$1.10		. 02.1	. 52.5	. 52.5	.00.1				
3-month Treasury Bills	* 22 Sept 16	-0.25	-0.25	-0.25	-0.25	-0.25	-0.19	-0.25	-0.25	
- Spread with U.S.	* 22 Sept 16	-0.43	-0.54	-0.59	-0.53	-0.52	-0.42	-0.55	-0.54	
·	_					1.12	1.11	1.14 120.38	1.12	4.
Exchange Rate (U.S.\$/Euro)	* 22 Sept 16	1.12	1.12	1.13	1.12		404.00	120138	125.41	13
(Yen/Euro)	* 22 Sept 16	113.19	114.98	114.80	114.49	118.56	124.28 1.28		1 27	
(Yen/Euro) (Euro / £)							124.28 1.28	1.31	1.27	
(Yen/Euro) (Euro / £)	* 22 Sept 16 * 22 Sept 16	113.19 1.16	114.98 1.17	114.80 1.18	114.49 1.18	118.56 1.23	1.28	1.31		
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender)	* 22 Sept 16 * 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21	114.98 1.17 0.21	114.80 1.18 0.22	114.49 1.18 0.29	118.56 1.23	0.42	0.43	0.45	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender) - Spread with U.S.	* 22 Sept 16 * 22 Sept 16 * 22 Sept 16 22 Sept 16	113.19 1.16 0.21 0.03	114.98 1.17 0.21 -0.08	114.80 1.18 0.22 -0.12	114.49 1.18 0.29 0.01	118.56 1.23 0.37 0.10	0.42 0.19	0.43 0.13	0.45 0.16	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender)	* 22 Sept 16 * 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21	114.98 1.17 0.21	114.80 1.18 0.22	114.49 1.18 0.29	118.56 1.23	0.42	0.43	0.45	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender) - Spread with U.S. Yield on 30-year Gov't Bonds - Spread with U.S. Exchange Rate (U.S.\$ / £)	* 22 Sept 16 * 22 Sept 16 * 22 Sept 16 22 Sept 16 * 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21 0.03 1.43	114.98 1.17 0.21 -0.08 1.58	114.80 1.18 0.22 -0.12 1.39	114.49 1.18 0.29 0.01 1.48	118.56 1.23 0.37 0.10 1.86	0.42 0.19 2.18	0.43 0.13 2.19	0.45 0.16 2.33	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender) - Spread with U.S. Yield on 30-year Gov't Bonds - Spread with U.S.	* 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21 0.03 1.43 -0.93	0.21 -0.08 1.58 -0.89 1.32 Month	114.80 1.18 0.22 -0.12 1.39 -0.93 1.33	114.49 1.18 0.29 0.01 1.48 -0.80 1.32 (%)	118.56 1.23 0.37 0.10 1.86 -0.57 1.38	0.42 0.19 2.18 -0.46	0.43 0.13 2.19 -0.36 1.49	0.45 0.16 2.33 -0.34 1.42 Since	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender) - Spread with U.S. Yield on 30-year Gov't Bonds - Spread with U.S. Exchange Rate (U.S.\$ / £)	* 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21 0.03 1.43 -0.93 1.31	0.21 -0.08 1.58 -0.89 1.32 Month	0.22 -0.12 1.39 -0.93 1.33 hly Growth Prev.	114.49 1.18 0.29 0.01 1.48 -0.80 1.32 (%) Month	0.37 0.10 1.86 -0.57 1.38 Gr	0.42 0.19 2.18 -0.46 1.43	0.43 0.13 2.19 -0.36 1.49	0.45 0.16 2.33 -0.34 1.42 Sind beginning	
(Yen/Euro) (Euro / £) INITED KINGDOM 3-month Treasury Bills (tender) - Spread with U.S. Yield on 30-year Gov't Bonds - Spread with U.S. Exchange Rate (U.S.\$ / £)	* 22 Sept 16 * 22 Sept 16	113.19 1.16 0.21 0.03 1.43 -0.93	0.21 -0.08 1.58 -0.89 1.32 Month	114.80 1.18 0.22 -0.12 1.39 -0.93 1.33	114.49 1.18 0.29 0.01 1.48 -0.80 1.32 (%)	118.56 1.23 0.37 0.10 1.86 -0.57 1.38	0.42 0.19 2.18 -0.46 1.43	0.43 0.13 2.19 -0.36 1.49	0.45 0.16 2.33 -0.34 1.42 Since	of y



Annex - Economic tables

Alliex - Lconomic t	TABLE	6 - CC	ОММО	DITY	PRIC	ES			illat Balik Of Callada
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		mber 23						
	Spot P	rice		ly Growth		Annualized			
	Sont 22	Sont 15	Last	Prev.	Week		For the Last		Last Year
	<u>Sept 22</u>	<u>Sept 15</u>	Week	<u>Week</u>	<u>Before</u>	<u>13 W.</u>	<u>26 W.</u>	<u>52 W.</u>	fear
INDICES THOMSON-REUTERS									
Total	426.4	413.9	3.0	-2.2	2.4	-1.7	22.0	9.2	390.5
Energy	407.2	394.5	3.2	-3.5	6.0	3.5	71.8	3.8	392.2
Grain Industrials	279.1 363.0	273.4 350.0	2.1 3.7	-2.1 0.2	3.5 1.5	-40.1 24.9	-9.3 22.4	-6.1 6.6	297.3 340.5
Livestock & Meat	280.8	282.6	-0.7	-3.1	-3.0	-59.3	-43.4	-22.1	360.3
Precious Metals	884.7	855.2	3.5	-3.2	3.1	49.9	38.3	20.0	737.2
PRECIOUS METALS									
Gold (\$/ounce) (AM fixing London)	1332.45	1320.10	0.9	-2.1	3.2	22.8	20.0	17.5	1134.45
Platinum (\$/ounce) (AM fixing London)	1046.0	1034.0	1.2	-5.4	4.0	32.5	20.7	11.0	942.0
Silver (\$/ounce) (Handy & Harman)	0.2	0.2	4.9	-3.0	4.6	77.1	72.2	32.3	0.2
Palladium (\$/ounce troy)	697.0	656.0	6.3	-5.5	4.2	140.0	45.9	7.2	650.0
OTHER METALS (LME)									
Aluminum (\$/tonne)	1,627	1,559	4.3	-0.9	-1.5	-1.6	22.9	3.7	1,569
Copper (\$/tonne)	4,835	4,765	1.5	2.5	0.6	5.0	-5.6	-4.6	5,066
Zinc (\$/tonne)	2,284	2,217	3.0	-3.8	-1.7	58.4	63.4	37.5	1,661
Nickel (\$/tonne)	10,616	9,663	9.9	-6.2	4.5	78.9	51.9	7.5	9,875
Lead (\$/tonne)	1,941	1,942	0.0	1.4	-0.5	60.5	22.7	15.1	1,687
Uranium (UxC-Ux U308 Spot \$/pound)	24.75	25.35	-2.4	-0.6	1.0	-19.8	-30.1	-33.6	37.25
OTHER COMMODITIES									
Oil WTI (\$/barrel) future (NYMEX)	46.32	43.91	5.5	-7.8	10.3	-27.0	37.8	3.1	44.91
Oil (Spead with WTI \$/barrel) 1st future (West Canadian select - CME)	-14.35	-14.25	0.7	1.4	-1.1	31.5	17.3	9.5	-13.10
Corn (¢/bushel) (Illinois #2)	3.1	3.1	1.0	-2.5	4.6	-49.5	-25.4	-13.4	3.6
Soy beans (¢/bushel) (Illinois #1)	9.6	9.5	1.5	-4.2	7.4	-42.2	15.3	13.7	8.8
Pork (¢/lb)	92.7	129.1	-28.2	0.7	0.0	-81.0	-50.3	-45.5	170.2
Beef (Cattle feeder index) (CME)	134.6	133.5	0.8	-3.5	-3.0	-16.8	-31.0	-31.6	196.8
Soft Wood Pulp (HWWI) Index 2010 = 100	96	96	0.0	0.4	-0.8	-11.6	-1.9	-2.1	98
Natural Gas (mmbtu) Henry Hub future NYMEX	3.14	2.95	6.4	3.9	-2.7	88.4	233.3	22.7	2.56
Lumber 2X4	325	299	8.9	-1.9	-1.3	36.0	18.4	50.0	217
Iron ore (\$/metric ton)	57	57	0.9	-3.4	0.0	28.8	1.4	0.9	57
All prices are in	US dolla	rs				Source	: Datas	stream	

ECONOMICS AND STRATEGY

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