



economy

Key Stats



Of 11 peer cities assessed, Calgary has the second highest level of **economic power** comparing GDP per capita

- Deloitte, *Benchmarking Calgary's Competitiveness, 2015*



Of 11 peer cities assessed, Calgary has the second highest level of **economic growth** comparing GDP growth

- Deloitte, *Benchmarking Calgary's Competitiveness, 2015*



Highest GDP per Capita in 2017 of major Canadian cities.

- The Conference Board of Canada, *Statistics Canada, 2018*



8 of the Top 10 World Banks and **8 of the Top 10 Investment Banks** have a presence in Calgary

- The Banker Database, 2018; *Banks around the World, 2018*

Benchmarking Calgary's Competitiveness



- Calgary ranks **1st in Population Growth** (*annual population growth rate*)
- Calgary ranks **1st in Labour Participation**
- Calgary ranks **1st in Education** (*highest education achieved*)
- Calgary ranks **1st in Industrial Land Price** (*price per sq. ft.*)
- Calgary ranks **2nd in Economic Power** (*GDP per capita*)
- Calgary ranks **2nd in Economic Growth** (*GDP growth*)
- Calgary ranks **3rd in Diversity** (*immigrant population*)
- Calgary ranks **3rd in Research & Development** (*annual R&D expenditures per capita*)
- Calgary ranks **3rd in Businesses** per 100 people
- Calgary ranks **4th in Commercial Real Estate** (*rent per sq. ft.*)
- Calgary ranks **5th in Housing Affordability** (*housing median multiple*)

Economic Scorecard Competitiveness



**Benchmarking 20 metro regions across 38 indicators:
22 economic + 16 social**



Financial Competitiveness



- **8 of the Top 10 World Banks and 8 of the Top 10 Investment Banks** have an office in Calgary.
- Total value of completed merger and acquisition deals in 2016 topped **\$85.6 billion**, equivalent to **more than one-third of all M&A activity** across the country.
- High deal velocity and large deal size, with the average deal size estimated at **\$197 million**, compared to \$99 million in Toronto and \$24 million in Vancouver.
- **Highest concentration** of head offices per capita in Canada, with 70.4 percent of head offices focused in energy and oil field services.
- **Wealth management, private equity and asset management services have thrived** in Calgary due to the concentration of private wealth in the city.
- Labour productivity in Calgary's Financial sector is **25 per cent higher** than the Canadian average.

Economic Indicators Summary



	2012	2013	2014	2015	2016	2017	2018F
GDP Growth Calgary CMA	4.1%	5.6%	6.7%	-3.6%	-3.5%	6.3%	2.9%
Alberta Capital Expenditure on Oil and Gas Extraction (Billions)	\$58.8	\$65.1	\$76.1	\$38.0	\$27.5	\$25.6	\$22.5
Price of Oil							
WTI (EIA STEO Data Browser; \$USD/barrel)	\$94.08	\$97.98	\$93.17	\$48.67	\$43.33	\$50.79	\$68.46
WCS (AER; \$USD/barrel)	\$57.87	\$58.96	\$43.24	\$22.51	\$29.65	\$38.69	\$39.50
Price of Gas							
Henry Hub Spot Price (EIA STEO Data Browser; \$USD/mmBTU)	\$2.75	\$3.73	\$4.39	\$2.63	\$2.51	\$2.99	\$2.99
AECO-C (Bloomberg + Birchcliff Energy Ltd.; \$CDN/GJ)	\$3.01	\$3.68	\$3.05	\$2.19	\$2.05	\$2.05	\$1.52
Unemployment Rate CMA (December)	4.9%	4.5%	4.5%	6.8%	10.2%	7.5%	8.2% September 2018
Net Migration CMA; July 1 to June 30 of previous year; updated annually in February	28,781	37,286	35,388	18,563	18,542	13,716	
Office Vacancy Downtown (Q4)	5.0%	9.1%	9.8%	17.6%	25.0%	27.7%	27.3% Q3 2018
Building Permits CMA (Billions)	\$5.25	\$7.14	\$7.33	\$7.17	\$5.42	\$5.43	\$3.77 YTD August 2018
Benchmark Home Price All Housing Types (December)	\$386,500	\$421,000	\$457,100	\$448,100	\$431,700	\$427,400	\$426,800 August 2018
Housing Starts Single-Detached	5,961	6,402	6,494	4,138	3,489	4,423	4,200 - 4,600

Sources: Alberta Energy Regulator, Bloomberg + Birchcliff Energy Ltd., Canadian Real Estate Association, CBRE Limited, CMHC, The Conference Board of Canada, Industry Canada, Statistics Canada, U.S. Energy Information Administration

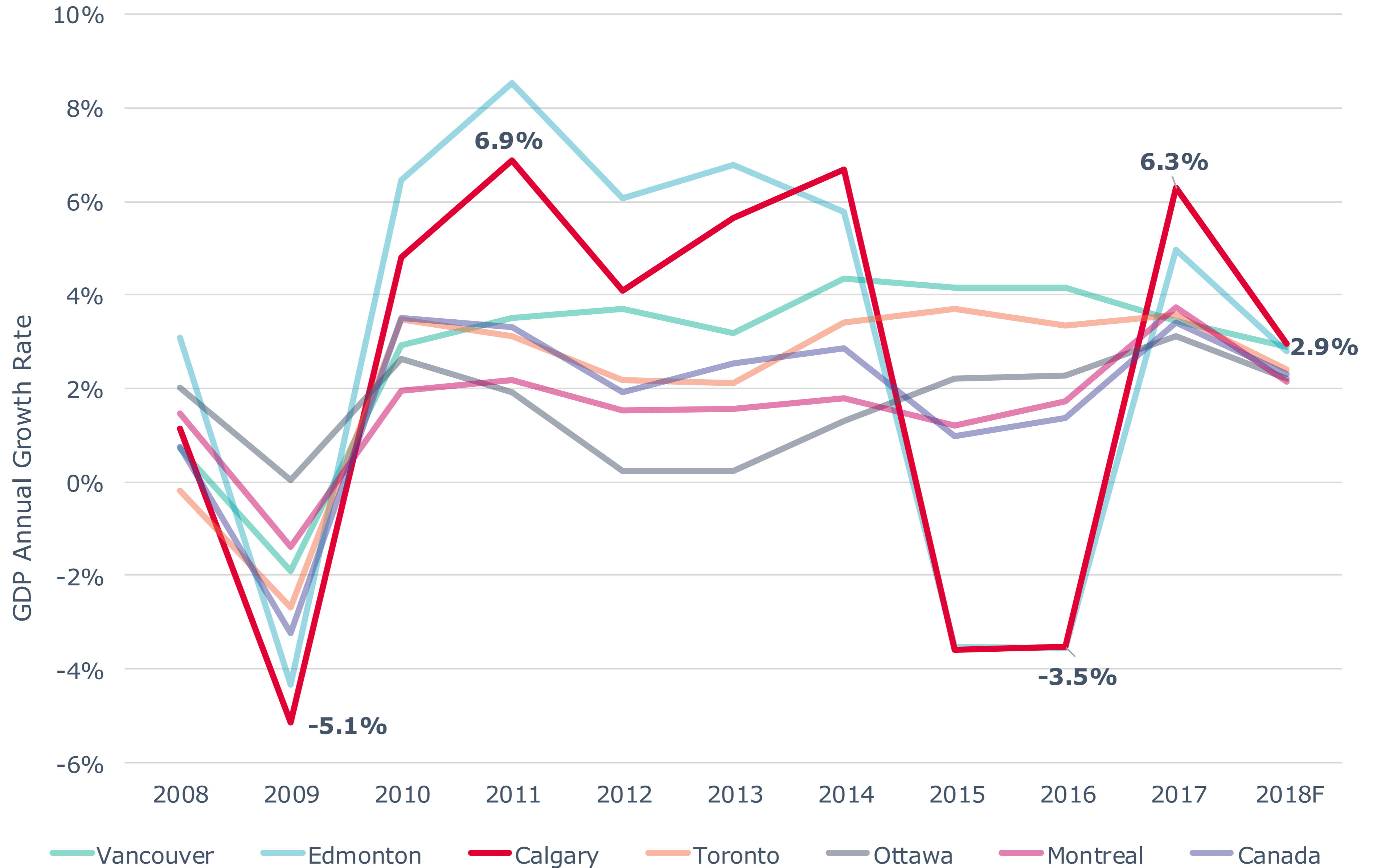
Major Canadian Cities Comparison



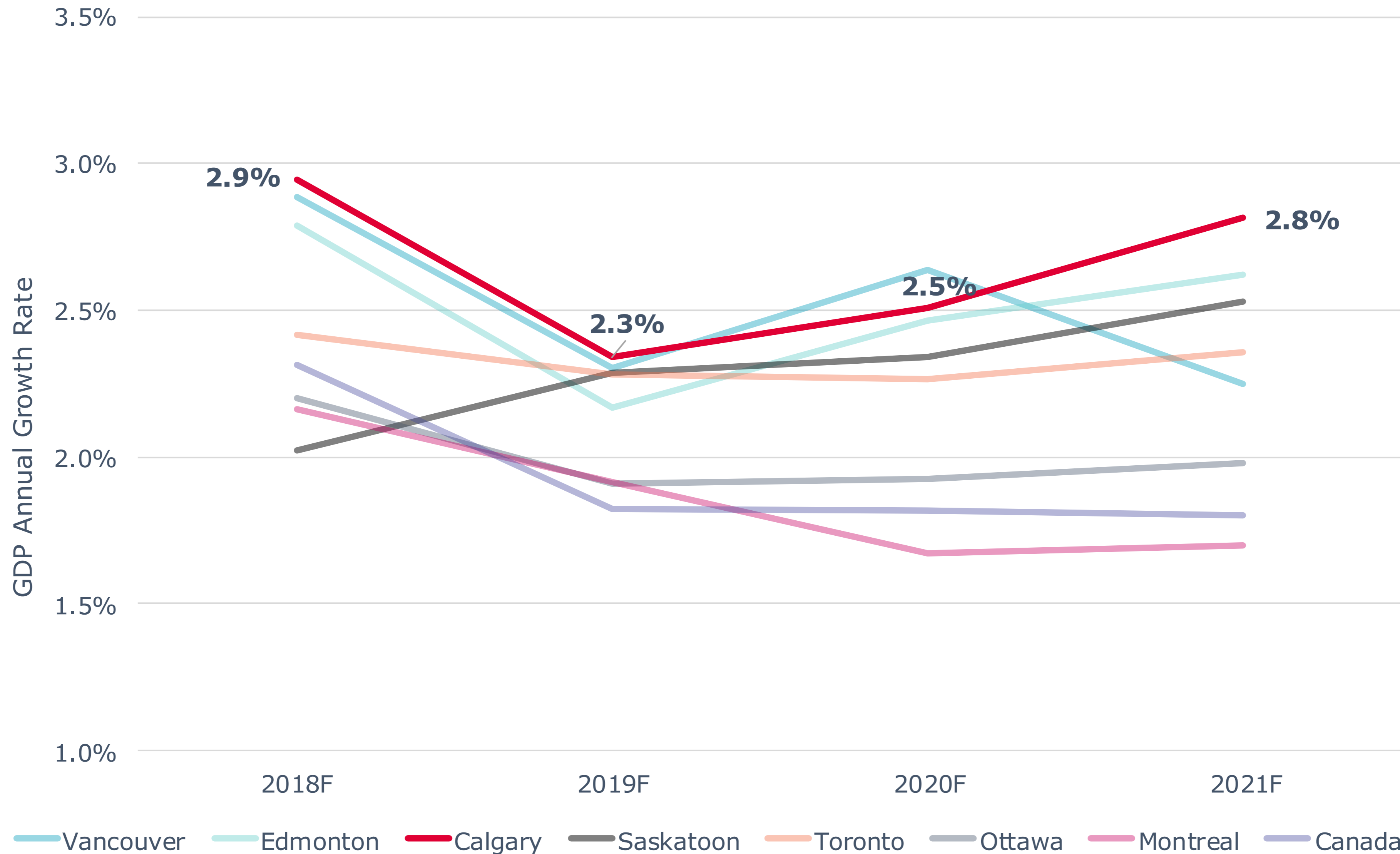
	Vancouver	Edmonton	Calgary	Saskatoon	Toronto	Ottawa	Montreal	Canada
2017 Real GDP Growth	3.4%	5.0%	6.3%	2.8%	3.6%	3.1%	3.7%	3.4%
2018F Real GDP Growth	2.9%	2.8%	2.9%	2.0%	2.4%	2.2%	2.2%	2.3%
CMA Population <small>July 2017</small>	2,571,262	1,411,945	1,488,841	323,809	6,346,088	1,377,016	4,138,254	36,708,083
2017 Population Growth	1.1%	1.8%	1.8%	2.9%	2.0%	1.9%	1.2%	1.2%
Unemployment Rate <small>September 2018</small>	4.5%	6.3%	8.2%	7.4%	6.1%	4.5%	6.1%	5.9%
Participation Rate <small>September 2018</small>	66.4%	72.6%	72.2%	69.9%	65.4%	67.4%	66.9%	65.4%
Employment Growth <small>September 2018</small>	5,900 0.4%	25,600 3.3%	-5,500 -0.7%	3,000 1.7%	50,200 1.5%	19,900 2.8%	26,700 1.2%	222,400 1.2%
Full-Time Employment Growth <small>September 2018</small>	2.0%	2.2%	-0.4%	2.6%	3.1%	1.4%	3.1%	1.5%
Part-Time Employment Growth <small>September 2018</small>	-5.0%	12.6%	-2.9%	-2.7%	-6.5%	9.0%	-8.4%	0.0%
Provincial Average Weekly Earnings <small>July 2018</small>	\$955.85	\$1,141.77	\$1,141.77	\$1,007.51	\$1,003.22	\$1,003.22	\$920.72	\$988.18

Source: Conference Board of Canada, Statistics Canada

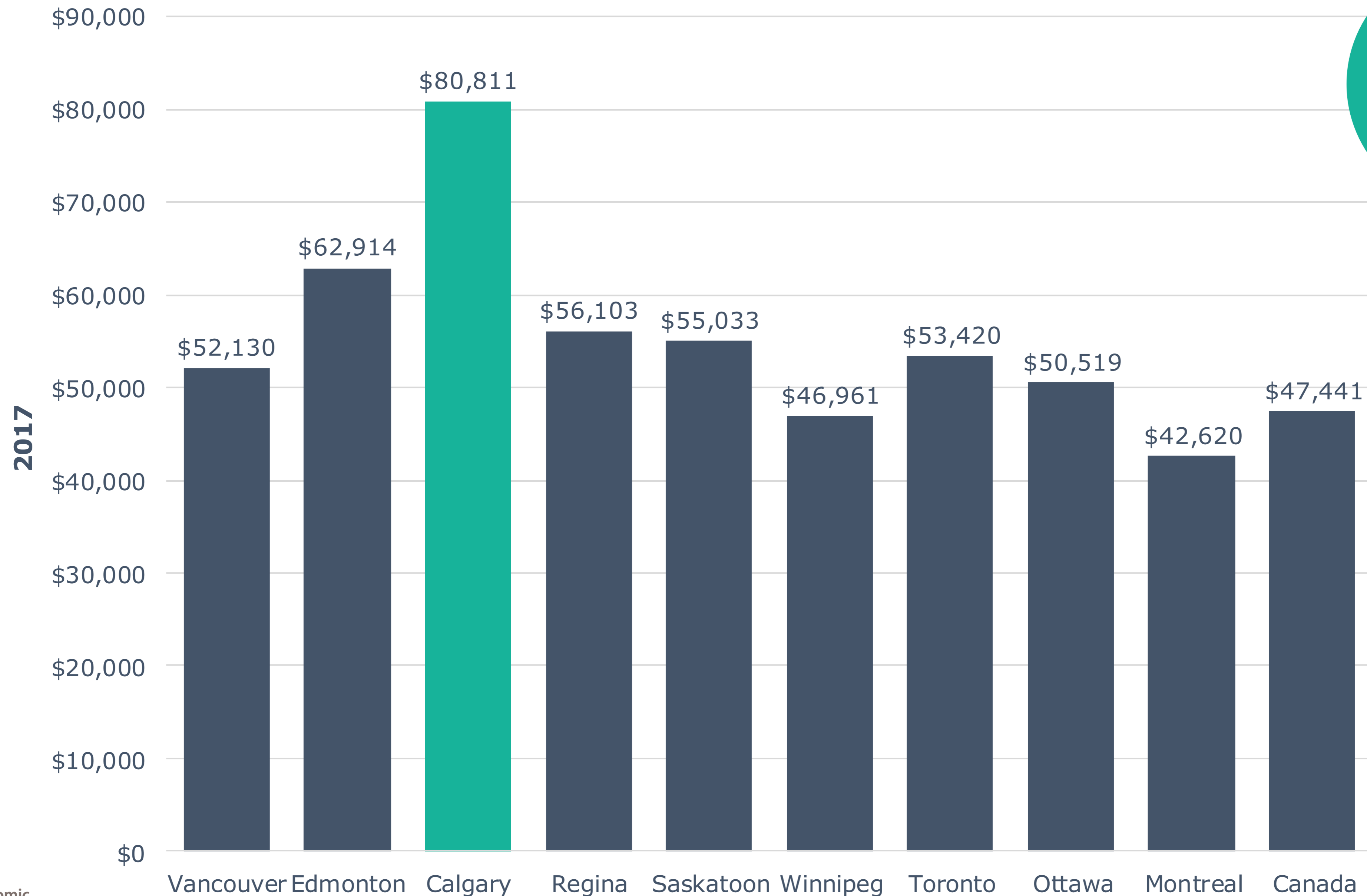
Annual Real GDP Growth Rates Across Canada



Annual Forecasted Real GDP Growth Rates Across Canada



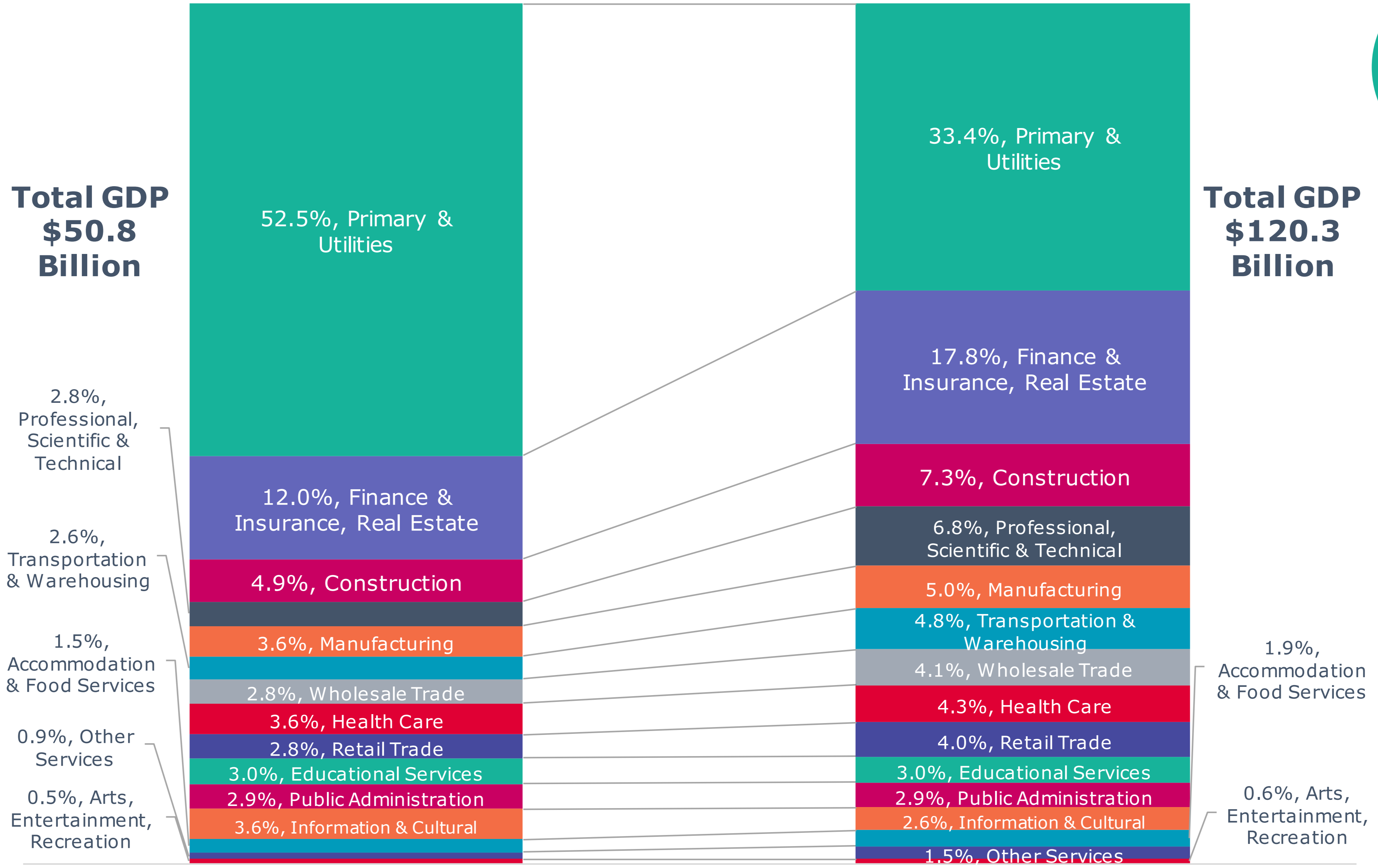
Annual GDP per Capita Across Canada



A leader in economic power, with the highest annual GDP per capita of major cities in Canada

Calgary Historical GDP by Industry

Calgary's economy is diversifying



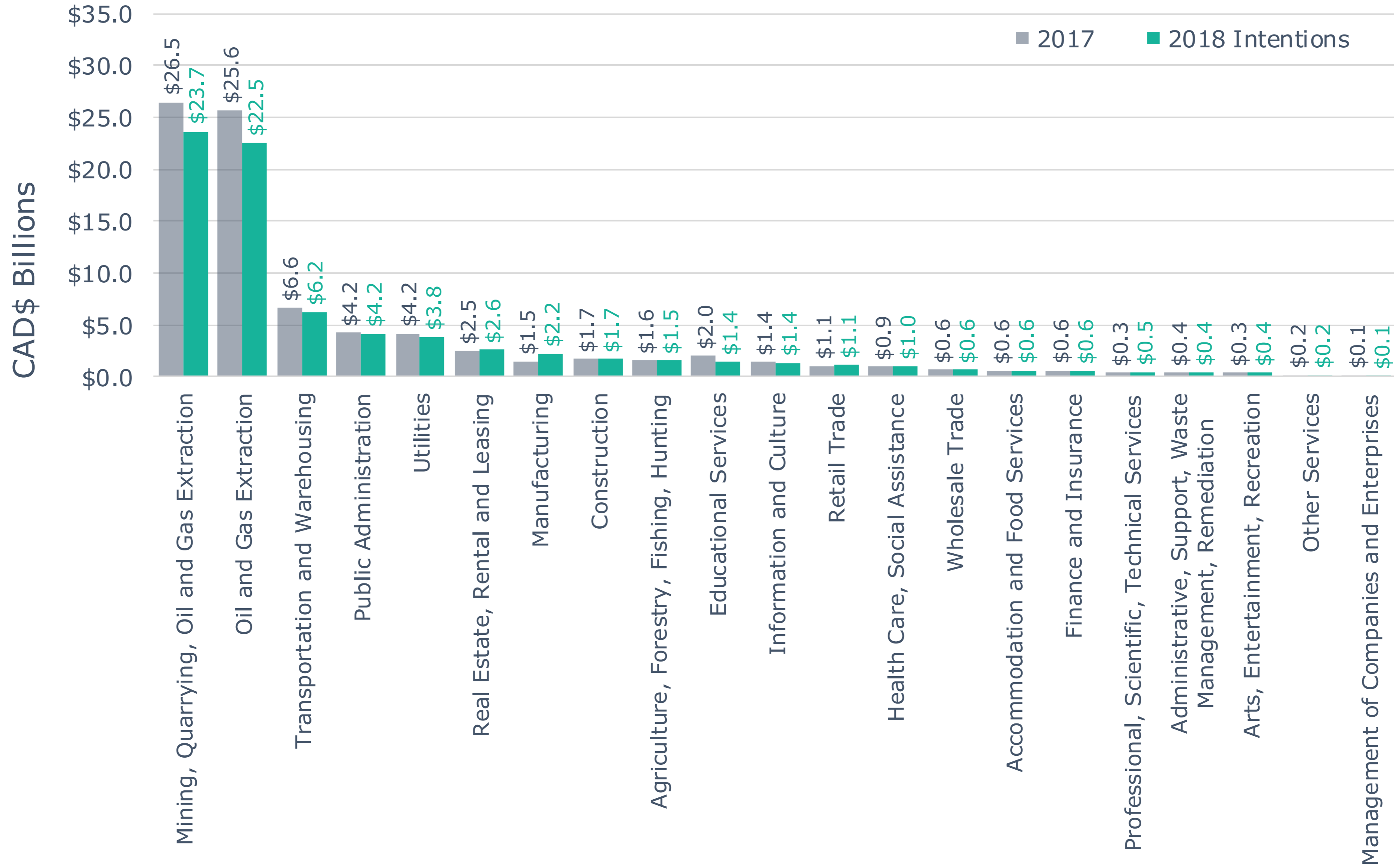
Calgary Forecast GDP by Industry



	2018 (2007 \$ Millions)	2021 (2007 \$ Millions)	Total change 2018-2021 (%)
<u>Goods-Producing Industries</u>	56,808	61,513	7.7%
Manufacturing	6,243	6,703	6.9%
Construction	8,977	9,894	9.3%
Primary and Utilities	41,587	44,915	7.4%
<u>Services-Producing Industries</u>	67,050	72,079	7.0%
Wholesale Trade	5,140	5,513	6.8%
Retail Trade	4,864	5,203	6.5%
Transportation and Warehousing	5,909	6,357	7.0%
Information and Cultural industries	3,191	3,314	3.7%
Finance, Insurance and Real Estate and Leasing	21,906	23,874	8.2%
Professional, Scientific and Technical Services	8,552	9,102	6.0%
Educational Services	3,667	3,887	5.7%
Health Care and Social Assistance	5,301	5,720	7.3%
Arts, Entertainment and Recreation	697	746	6.5%
Accommodation and Food Services	2,347	2,528	7.1%
Other Services	1,915	2,124	9.8%
Public Administration	3,561	3,713	4.1%
All Industries	123,858	133,592	7.3%

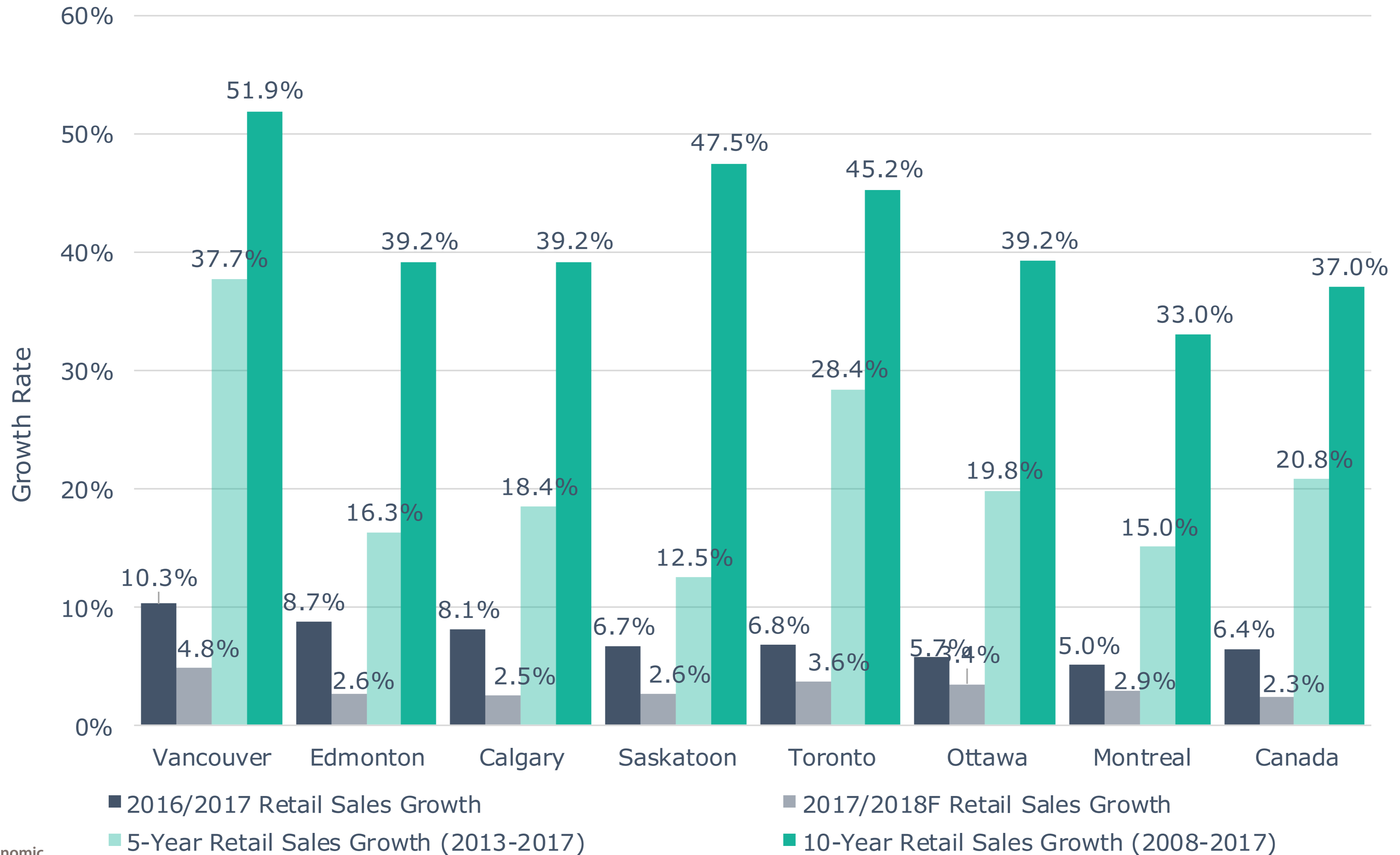
Source: The Conference Board of Canada, June 2018

Alberta Capital Spending by Industry



Source: Table 029-0045, Statistics Canada

Retail Sales Growth Across Canada



Inflation Growth Across Canada

