

State of the Economy in Alberta

Transportation Connects Alberta Consulting Engineers of Alberta



Agenda

- Fundamental Forces Shaping the Economy
 - Emerging Global Economic Forces
 - Key Government Actions Impacting the Economy
 - Consumer Market and Prosperity
 - Emerging Business Environment
- The Edmonton Context
- The Calgary Context



Emerging Global Economic Forces

Global Leading Indicators * ۹ \bigcirc Brazil Australia Germany Mexico **A** +0.5% **A** +0.3% **A** +0.2% **A** +0.1% Euro China U.K. U.S. Global Japan Area **V**^{-1.3%} **V**⁻0.8% **V**⁻0.7% **V**^{-0.6%}

While the latest global leading indicators point to a slowdown, there will be divergence in economic performance with winners and losers in countries across the world.

Source: Global Leading Indicators - The Conference Board Inc.

Expectations for Alberta in 2023

Although a Canada-specific measure is not available, the evidence across the eight categories that typically inform the index are mixed. Regional differences are expected.			
Credit		Average Weekly Hours	
Stock Market	**	Unemployment Insurance	CANNE -
Interest Rate Spread	(\$)	Manufacturing Orders	
Consumer Expectations		Building Permits	

Fall 2022 Economic Outlook

Fall 2022

Calgary and Region

Economic Outlook

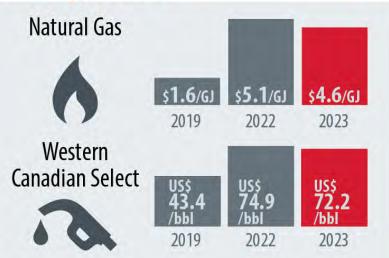
Calgary

The primary takeaway is better economic performance in Calgary and other Alberta communities in 2023 as the Bank of Canada works to achieve a soft landing for the Canadian economy.



Emerging Global Economic Forces

Energy Prices



The Western Canadian Select **oil price** and the AECO-C **natural gas price** would decline slightly from decade-long highs but remain strong enough to attract capital investment.

Canada/U.S. Exchange Rate



After a period of significant fluctuation driven by global economic uncertainty, the **loonie** should return to relative stability with the U.S., as Canadian and U.S. monetary policies converge.

GDP Growth Comparison

In 2023, the **real GDP growth rate** for the regional economy would be relatively the same as the provincial economy but strong enough to stay ahead of the national, U.S. and world economies.

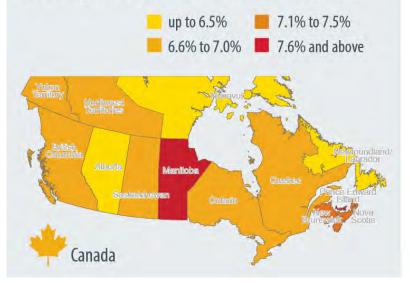
Calgary CER
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Policy Actions – Central Bank

Inflation Impact across Canada

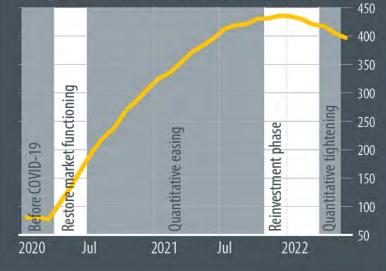
Despite the significantly high inflation level for Alberta in 2022, **inflation was even higher in most other provinces**. Widespread inflation has compelled the Bank of Canada's actions.



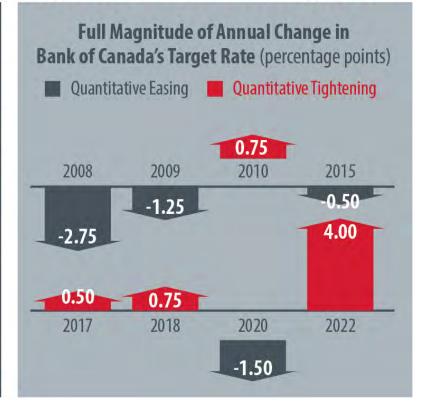
New Quantitative Tightening Phase

Quantitative tightening has replaced the easing that was in place from July 2020 to October 2021.

Holdings of Government of Canada bonds by the Bank of Canada \$billions



Significant Shift in Overnight Rate





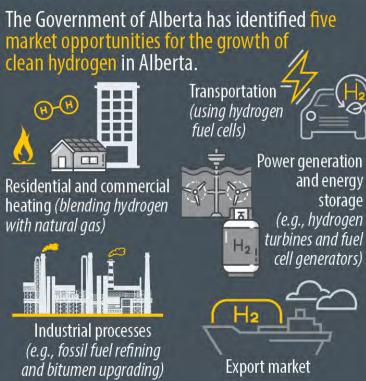
Policy Actions – Governments

Key Milestones in Alberta

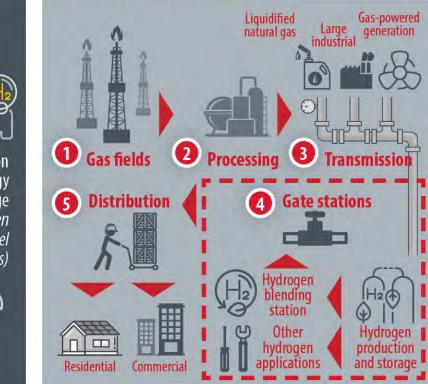
Government of Alberta announces Alberta's Natural Gas Vision and Strategy to "[lay] out a plan for Alberta to become a global supplier of clean, responsibly-sourced natural gas and related products."



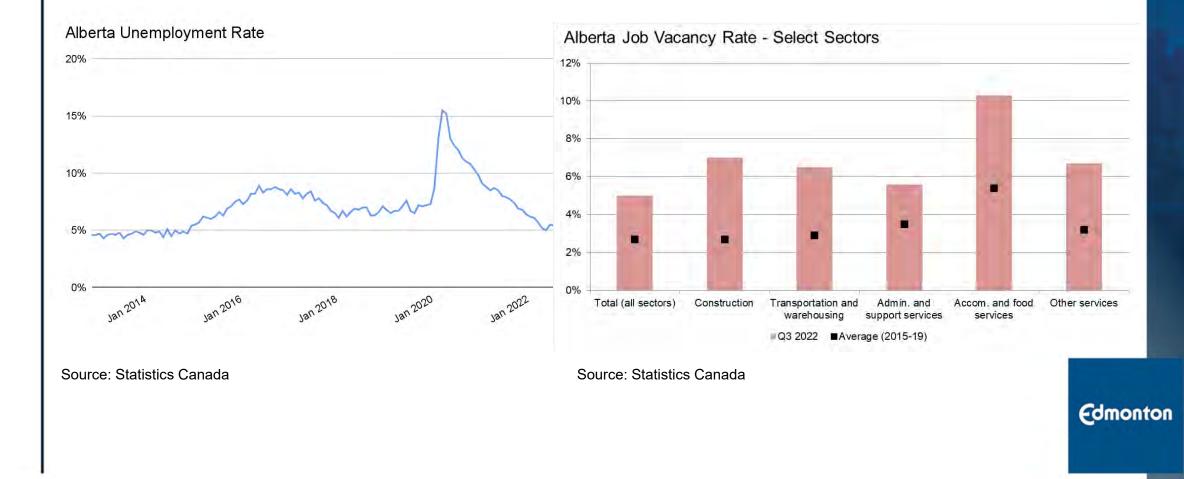
Market Opportunities for Hydrogen



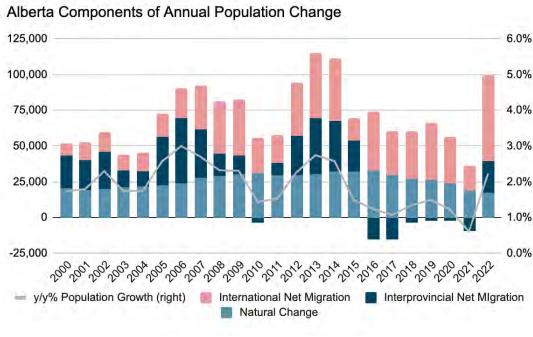
Natural Gas and Hydrogen Supply Chain



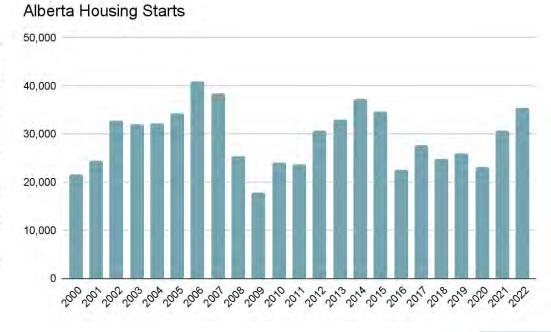
Opportunity for workers (within and outside of Alberta) from tight labour market conditions



Population growth in recent quarters, particularly migration in-flows, is supporting housing demand



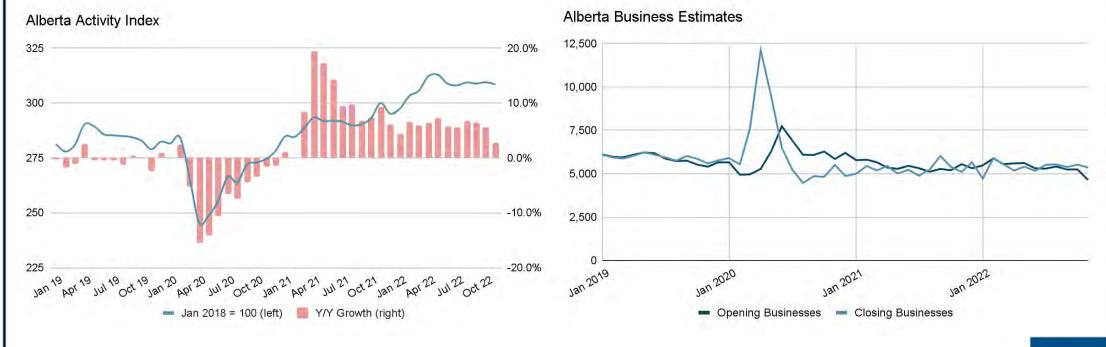




Source: Canada Mortgage and Housing Corporation (CMHC)

Edmonton

Growth in business output has been a key factor in Alberta's economic recovery from the pandemic



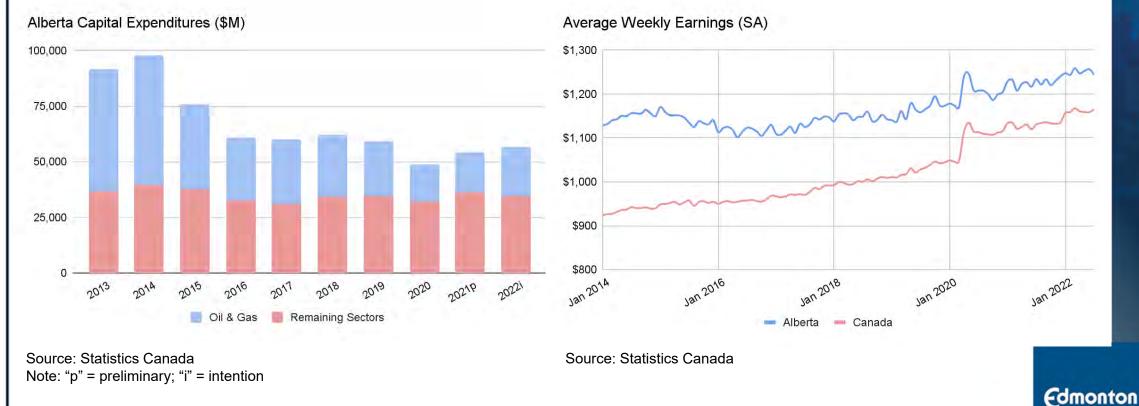
Source: Alberta Treasury Board and Finance

Source: Statistics Canada

Note: Excludes educational services and health care and social assistance

Edmonton

Recent policy decisions and a narrower earnings premium may improve business prospects moving forward

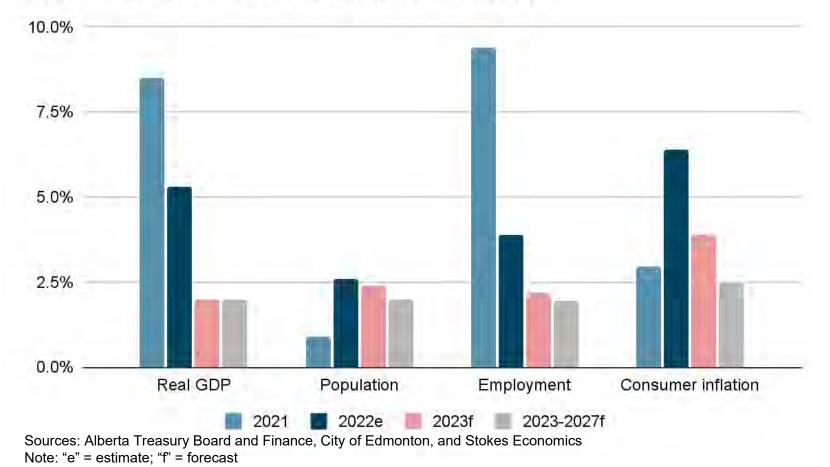


The Edmonton Context

Edmonton

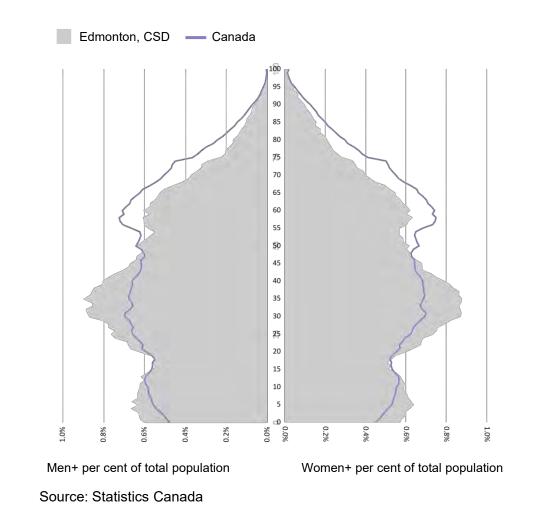
Beyond 2022, economic growth in Edmonton is expected to slow

Growth Forecast, Select Indicators - Edmonton

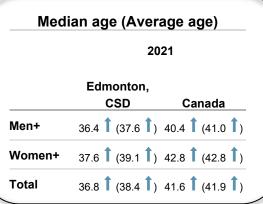


Edmonton

Demand, including for housing, will be supported by Edmonton's age structure





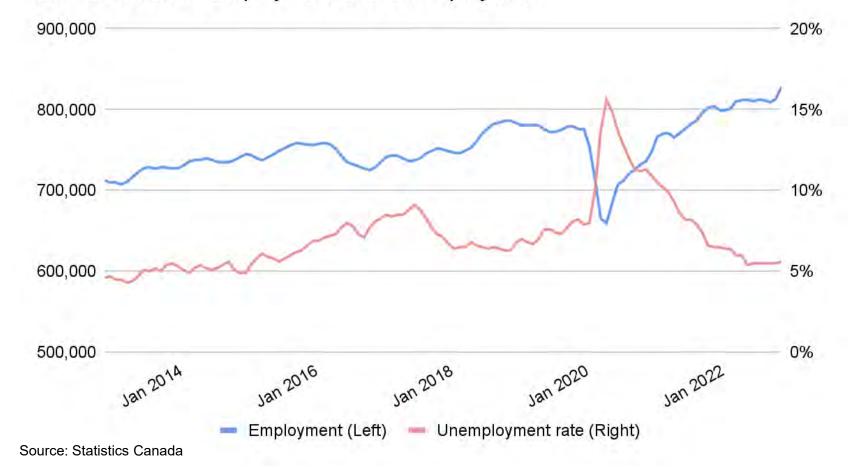


Edmonton

1/1 indicates change from 2016

The regional labour market has performed well over the last two years...

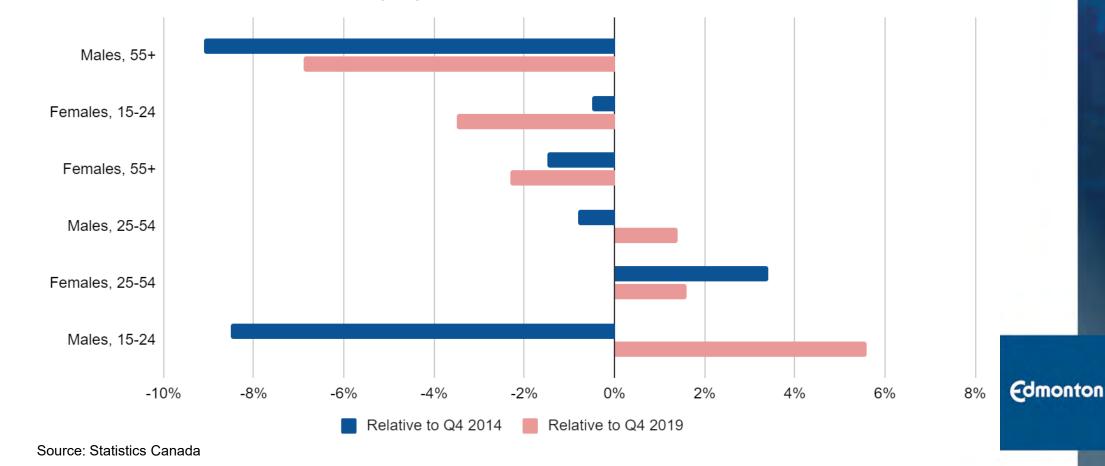
Edmonton CMA Employment and Unemployment



Edmonton

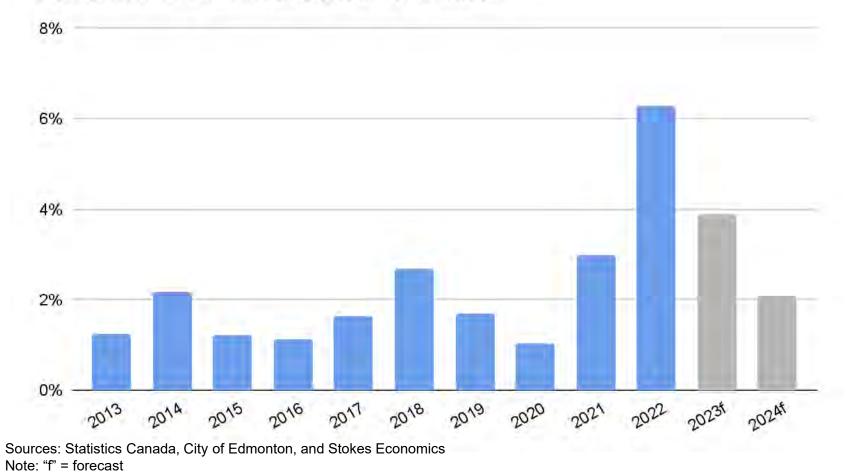
...but the regional labour market recovery remains incomplete

Edmonton CMA Q4 2022 Employment Rate Differential



Inflation remains high but expected to gradually ease over 2023 and 2024

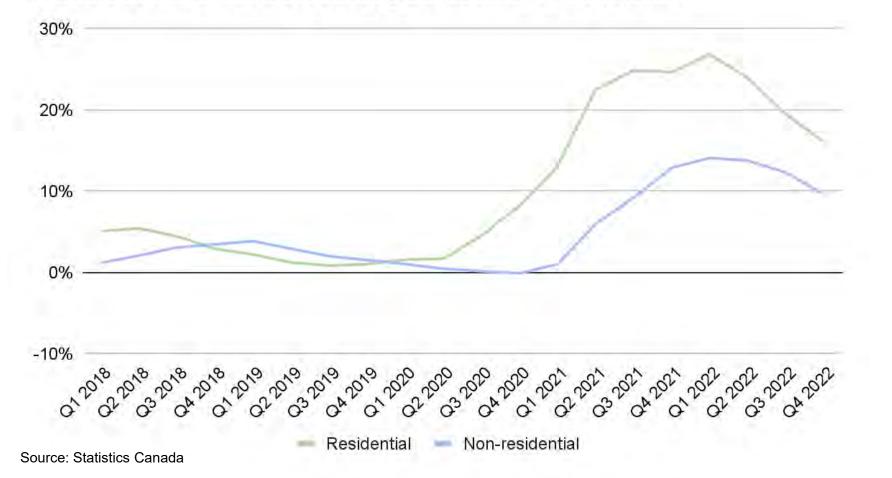
Edmonton CMA Annual Consumer Inflation



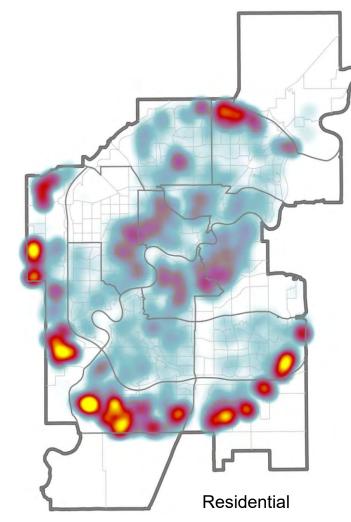
Edmonton

Supply chain disruptions, labour pressures, and strong demand pushing building construction prices higher

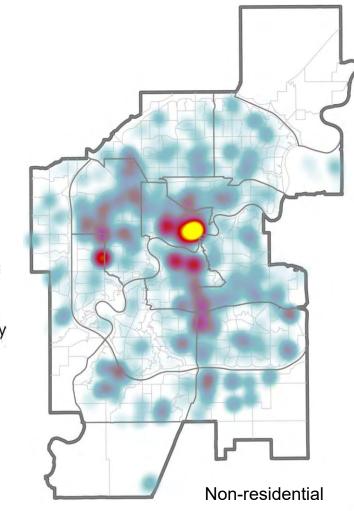
Annualized Edmonton CMA Building Construction Price Inflation



2022 Construction Intentions - Edmonton







Edmonton

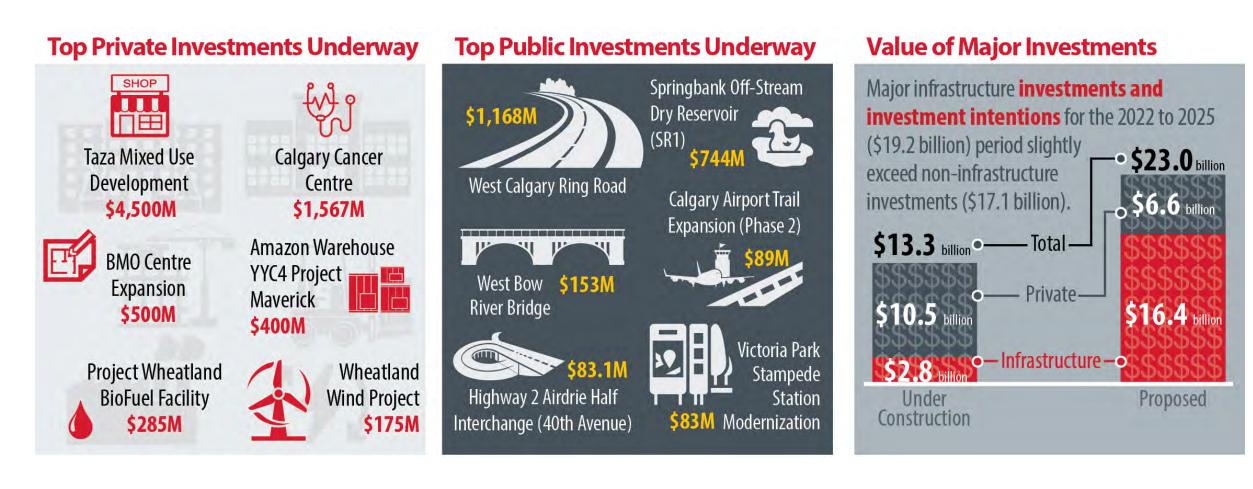
Source: City of Edmonton Note: Density is based on the number of building permits



Calgary Context



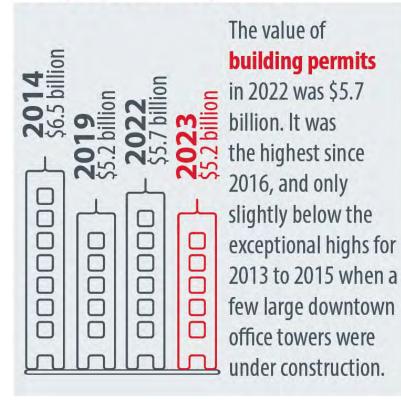
Overall Investment Activity





Construction Investment

Calgary Building Permits

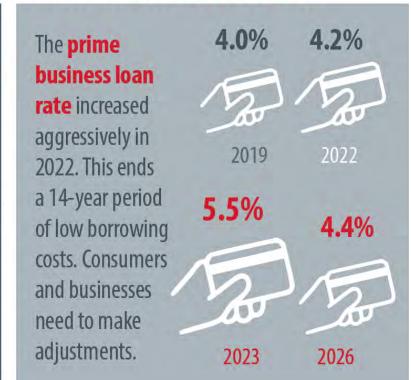


Calgary (CMA) Housing Starts



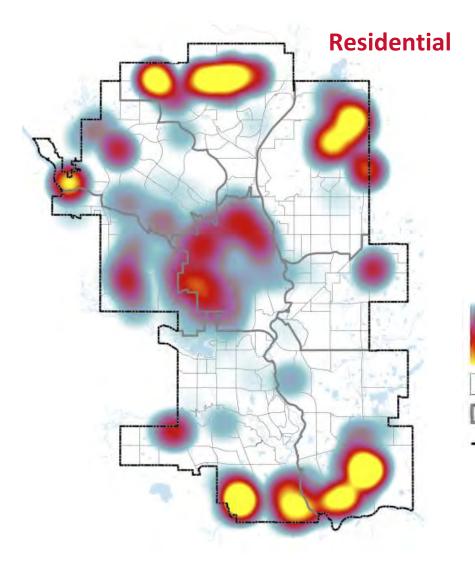
Housing starts in the Calgary Census Metropolitan Area (CMA) would be at the second highest level on record in 2022 before a moderate deceleration into 2023 and 2024 as affordability wanes.

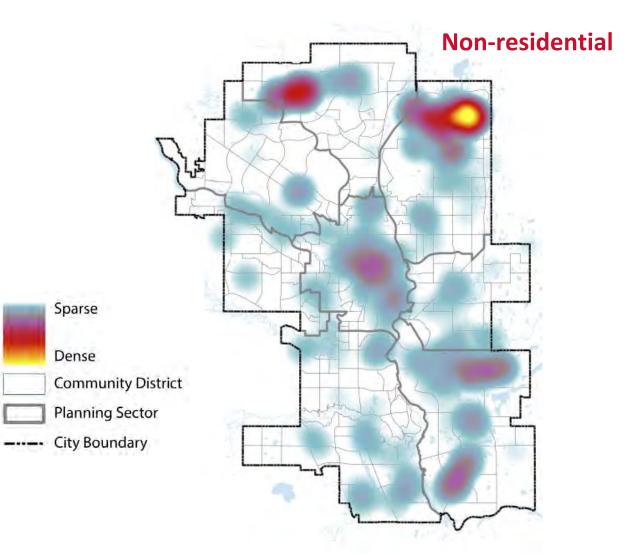
Prime Business Loan Rate





Construction Intentions





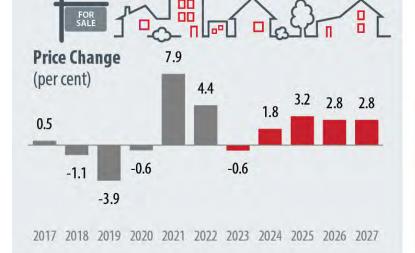
Source: The City of Calgary Data up to February 9, 2023



Housing Market Investments

Average Residential MLS Price

House price appreciation would occur for the second consecutive year in 2022 after three years of decline. The pace of growth should turn negative in 2023.



Occupied Residential Dwellings



There are now more than half a million occupied residential dwellings in

Calgary. Demand for municipal services will grow with further increases over the forecast horizon from 2022 to 2027.

Benchmark House Price

House price appreciation would be stronger for the benchmark home in each category: single-family detached, single semi-detached, row house and apartments 2023 ^{\$506.7} as buyers focus on thousand affordability. 2019 thousand thousand



Labour Market Growth Prospects

Five-Year Population Growth

Calgary's population is expected to increase by 110,900 between 2022 and 2027, better than 97,200 between 2017 and 2022. **Net migration** will be the primary driver of population growth.

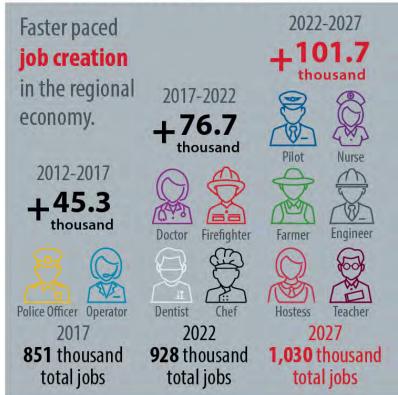
+**110,900** (2022 to 2027)

Population Increase by Cohort

Middle-aged cohorts aged 35-44 have the highest migration rates and should experience the most substantial population increases from 2022 to 2027 (+33,300).



Five-Year Job Growth

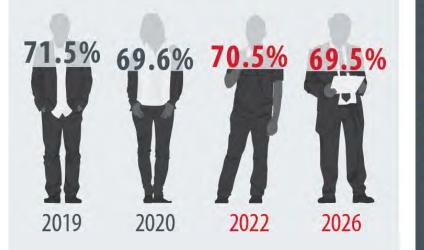




Labour Market Strength Indicators

Labour Force Participation

The forecast for the **labour force participation rate** is a decline as baby boomers exit the workforce.



Annual Job Growth

After a COVID-19driven job decline in 2020, annual job growth should rebound significantly to 7.7. per cent in 2022. Job growth should decelerate to just above 2 per cent for the remainder of the forecast period.



Unemployment Rate

The **unemployment rate** is expected to continue its course toward lower levels through to 2027. The rate is projected to be 5.8 per cent in 2023. 11.7% 7.2% 6.1% 5.8%

2022

2020

2019

2023



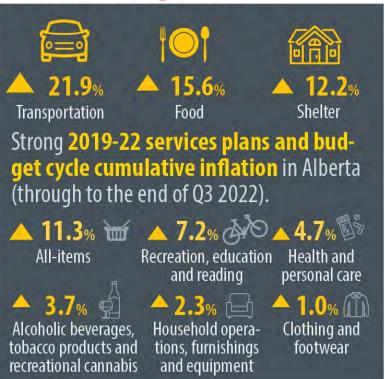
Consumer Market and Pressures

Migration to Strengthen Demand

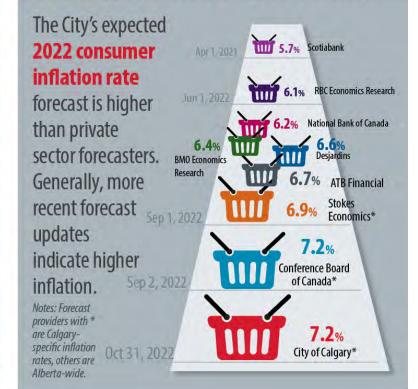
Annual **net migration** of +13,700 people per year is the platform for sustained population increases supporting a large market for goods and services and a resilient economy.



Sources of High Inflation



Calgary Inflation Expectations





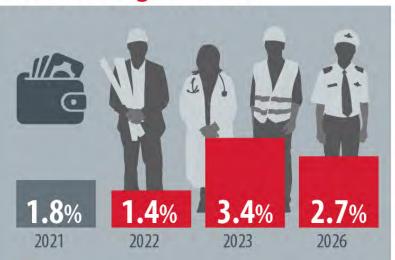
Aggregate Price Dynamics

Calgary Consumer Inflation

The rate of increase in the **cost of living** would decline from a multi-decade high of 7.2 per cent in 2022 to 2.0 per cent by 2024. It should stay around the inflation target afterwards.



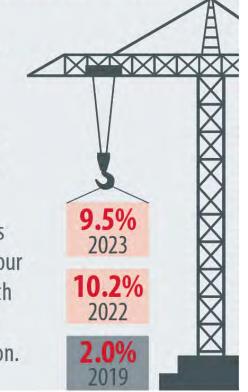
Alberta Wage Inflation



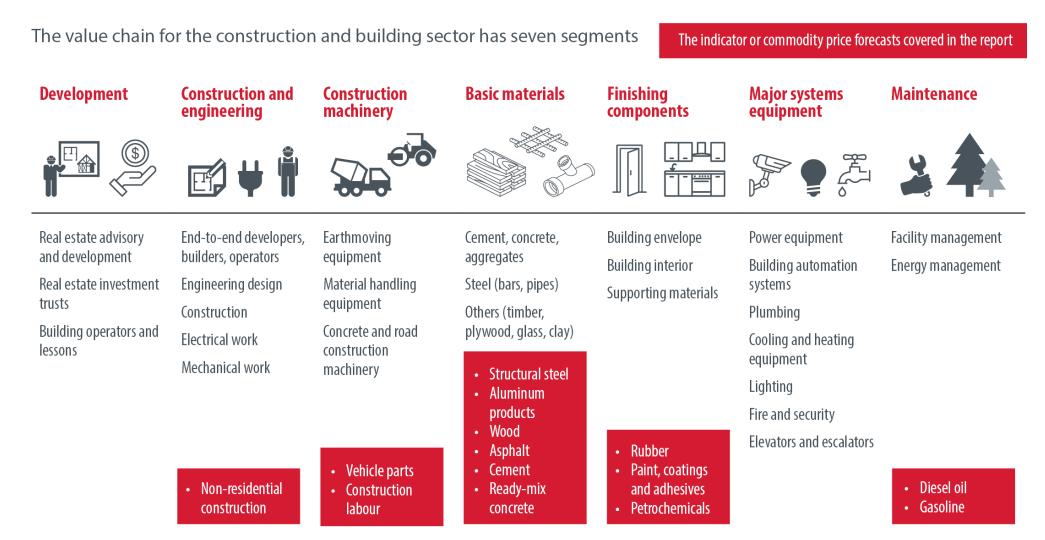
Wage pressure in Alberta would increase significantly. It would lead to a higher average pace of wage growth from 2022 to 2027 relative to 2017 to 2022.

Non-residential Price Inflation

The cost of nonresidential building construction is projected to stay high over the forecast period as material and labour costs keep up with commodity and consumer inflation.



Calgary Construction Price Dynamics



Adapted from: McKinsey & Company, "Construction and Building Technology – poised for a breakthrough?"



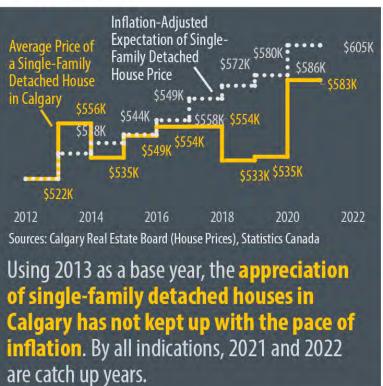
Consumer Price Dynamics

Recent Surge in Inflation

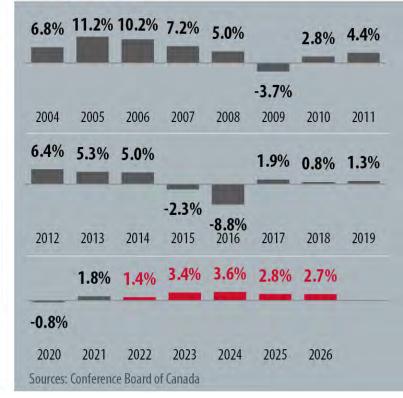
Consumer price inflation has been very high in Calgary. It should reach an annual rate of 7.2 per cent in 2022. That means that the overall price of goods and services in the typical consumer's basket would be 24.3 per cent higher than they were in 2013.



Single-Family Detached House Price Trends



Salaries and Wages per Calgary Employee





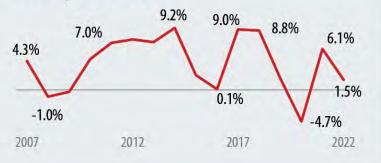
Summary



Summary State of the Economy

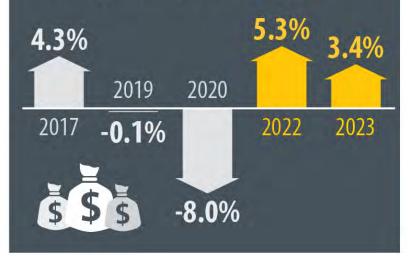
Crude Oil Production

Canadian crude **oil production** should reach a record high average of 4.8 million barrels per day in 2022. That's a doubling from 2.3 million in 2002 supporting robust industry cashflows.

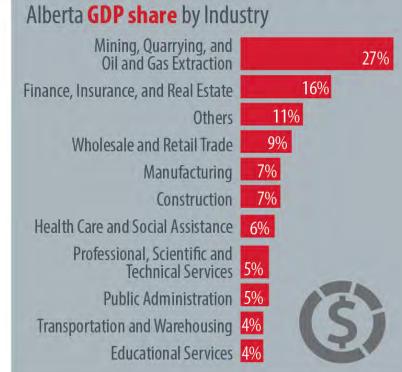


GDP Growth

Alberta's **GDP growth** has started decelerating from a 5.3 per cent in 2022 to 3.4 per cent in 2023. Growth would decelerate further reflecting proximity to full capacity.



Industry Contribution to GDP



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THANK YOU!

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