## Outlook for Construction Industry – Ontario & Ottawa

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### Sources of Data

Only use reliable data sourced from:

Stats Can, NR Canada
Govt of Ontario
NR Canada & US Dept of Energy
Bloomberg
BuildForce

## The COVID Pandemic: March 2020 – March 2022

What happened?

## Stats Can, Economic & social impacts of COVID timeline



#### **COVID** pandemic is over from economic POV

3/25/2022

## Stats Can, Estimate of excess & COVID deaths, by age group, March 2020 to Oct. 2021



#### Over 65 years far more vulnerable to COVID

3/25/2022

# Stats Can, Job vacancy rates, 2019 Q3 vs 2021 Q3



Source: Statistic Canada, table 14-10-0326-01.

Job vacancies became worse with COVID

## Stats Can, Avg hourly wages & consumer prices, Jan. 2021 – Jan. 2022



Throughout 2021, average wage increases higher than CPI

3/25/2022

## Construction commodity prices outlook

2022 and beyond

## US EIA, EU is key destination for Russia's energy exports



Source: Graph by the U.S. Energy Information Administration, based on Russia's export statistics and partner country import statistics published by Global Trade Tracker Figure data

In 2021, Russia was the largest natural gas-exporting country in the world, the second-largest crude oil and condensates-exporting country after Saudi Arabia, and the third-largest coal-exporting country behind Indonesia and Australia. Although OECD Europer received most of Russia's crude oil and natural gas exports last year, countries in Asia and the Oceania region received most of Russia's coal exports.

#### https://www.eia.gov/todayinenergy/

## Bloomberg, Share of Russian exports to each destination



Note: Coal figures combine thermal and metallurgical; liquefied natural gas and pipeline gas are also combined.

**Russia exports a lot of resources** 

3/25/2022

# Bloomberg, China & EU are key destinations for oil exports, 2020



Sources: BP for China, vessel tracking data monitored by Bloomberg for South Korea and Eurostat. Note: Figures are rounded to the nearest 10K barrels/day. Data are for 2020.

#### EU imports of oil almost = China imports of oil

## Bloomberg, Europe guzzles Russian gasoil & diesel, 2020



## Bloomberg, Top STEEL exporters, 2020



Note: Worldwide total was 396 million tons.

Source: World Steel Association

## US EIA, Oil & Natural Gas most used fuel to 2050

Contradicts claims of decarbonization by 2050



#### https://www.eia.gov/todayinenergy/detail.php?id=51678

3/25/2022

# US EIA, Qterly avg crude oil & retail gas, 2022



#### https://www.eia.gov/todayinenergy/detail.php?id=51658

3/25/2022

## US diesel & distillates at lowest levels since 2008

U.S. distillate fuel oil inventories, 1990-2022 million barrels, annual, week ending nearest to March 4



## US Gas prices, March 2022



## Copper prices - the "new oil"

□ Today, it is \$10,173 per tonne

Bank of America: copper prices could reach
 \$20,000 per tonne by 2025 ie +50%

demand for copper will stay strong

Due to housing, cars, consumer electronics

## Use of copper in US, 2019

#### And watch when Evs are mandated! Uses of Copper in the United States During 2019 Machinery 7% Consumer Products 10% Building Construction Transportation 43% Equipment 20% Electrical and Electronics 20%

## Copper prices, 2018-2022



3/25/2022

## Reebar Forecast per metric ton, 2016-2023



### NR Can, Lumber prices, 2021-2022



## US, Forestry Products, 2000-21

#### Up, up and away



Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

### US, Steel products prices, 2000-21



The latest data points are for December, 2021.

Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

### US, Cement & brick prices, 2000-21



Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

#### US, Construction base inputs, 2000-21



Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

## US, Energy related construction materials, 2000-21



Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

#### US, Construction Accessories, 2000-21



Data source: U.S. Bureau of Labor Statistics (BLS), Producer Price Index (PPI), not seasonally adjusted (NSA) / Charts: ConstructConnect-CanaData.

# US BLS, Construction material price changes, Dec. 2021

Year over Year (Y/Y) % Change

Latest 3 Months % Change



Data source: Bureau of Labor Statistics (BLS) / Chart: C

# Cdn Construction material price changes, Nov. 2020 - Nov. 2021

| The most dramatic increases are denoted with red arrows;<br>and the most dramatic decreases with yellow arrows. | Year over Year<br>Nov 2021/Nov 2020 | Latest 3 Months<br>Nov 2021/Aug 2020 |
|---|-------------------------------------|--------------------------------------|
| Paints, coatings, and adhesive products   | 7.3%                                | 0.2%                                 |
| Plastic and foam building and construction materials  | 21.1%                               | 2.6%                                 |
| Hardwood lumber   | 25.0%                               | 4.7%                                 |
| Softwood lumber   | 21.8%                               | 19.3%                                |
| Wood trusses and engineered wood members  | 39.2%                               | 0.1%                                 |
| Veneer and plywood  | -16.6%                              | -10.9%                               |
| Wood windows and doors  | 19.0%                               | 1.0%                                 |
| Wood cabinets and counter tops  | 3.8%                                | 1.3%                                 |
| Coke and other coke oven products (for steelmaking)   | 40.7%                               | 10.7%                                |
| Motor gasoline  | 71.5%                               | 4.5%                                 |
| Diesel and biodiesel fuels  | 58.9%                               | 16.3%                                |
| Asphalt (except natural) and asphalt products   | 37.6%                               | 4.7%                                 |
| Iron or steel pipes and tubes   | 63.0%                               | -2.6%                                |
| Waste and scrap of iron and steel   | 51.4%                               | 13.6%                                |
| Metal building and construction materials   | 54.4%                               | 11.0%                                |
| Fabricated steel plate & other fabricated structural metal  | 39.2%                               | 5.3%                                 |
| Metal windows and doors   | 39.4%                               | 10.0%                                |
| Hardware  | 11.6%                               | 0.2%                                 |
| Heating & cooling equipment (except home fridges & freezers)  | -0.9%                               | 0.1%                                 |
| Industrial & commercial fans, blowers, air purification equipment   | 0.4%                                | 0.0%                                 |
| Communication and electric wire and cable   | 73.2%                               | 11.6%                                |
| Electric lamps & lighting fixtures (except bulbs and tubes)   | 16.5%                               | 13.6%                                |
| Glass and glass products (except automotive glass)  | 8.3%                                | 0.2%                                 |
| Cement  | 5.8%                                | -0.2%                                |
| Ready-mixed concrete  | 2.6%                                | 0.4%                                 |
| Lime and gypsum products  | 4.9%                                | 0.0%                                 |

Data source: Statistics Canada's Industrial Product Price Index (IPPI) series, Table 18-10-0266-01 / Graphic: ConstructConnect-CanaData.

### **Canadian Construction Industry**

## CB, Cdn Business investment (\$Billions) in Non-residential structures, 2020-2026



f = forecast Sources: Statistics Canada; The Conference Board of Canada.

3/25/2022

## CB, Cdn Construction profit margins will remain weak, 2015-2026



f = forecast

Sources: Statistics Canada; The Conference Board of Canada.

3/25/2022

### CB, Cdn Non-residential construction employment, 2010-2026



Sources: Labour Force Survey; The Conference Board of Canada.

3/25/2022

## CB, Construction labour shortages & wages, % change, 2015-2026



f = forecast

Source: Statistics Canada.

3/25/2022

### **Ontario Construction Outlook**

#### Ontario construction industry facts, 2021





Source: Statistics Canada, BuildForce Canada (2021) \* Data is from 2020 and estimated 2021, as updated data for 2021 was unavailable at time of compilation.

#### Ontario construction employment distribution, 2021



#### Ontario construction industry facts, 2021



Construction labour market, 2002-2021

#### Yellow dotted line is unemployment



\* 2021 is estimated, as final employment data for the sector was unavailable at the time of publication. \*\* includes administrative and other off-site occupations

#### Ontario Total direct trades and occupations\*,2021





Source: Statistics Canada, BuildForce Canada (2021)

\* Total direct trades and occupations excludes individuals employed within the construction sector in office administration and management positions.

\*\* industrial, commercial, institutional

#### Ontario Population age distribution, 2007, 2017, 2027



- Like most other provinces, Ontario's population is aging, as most baby-boom workers reach retirement age across the forecast period.
- By 2027, the share of the population 65 years of age and older is projected to rise to 21% – up from 17% in 2017 and 13% in 2007.
- Declining fertility rates since the 1970s have also reduced the share of the population aged 15 to 24 available to replace those older individuals expected to retire. The share of younger individuals (15 to 24 years of age) is projected to decline from 13% in 2017 to 11% by 2027.
- The influx of international migrants to the province, however, will help to sustain the share of the core working-age cohort at 41% in 2027.
- These shifts in demographics are expected to increase competition for the recruitment of younger workers across the forecast period and will likely contribute to tighter labour markets.



### Ontario construction industry overview



#### Total changes in labour force

skilled trades training and/or construction

experience



Note: Due to rounding, numbers may not add up to the totals indicated.

\* Net mobility refers to the number of workers needed to be brought into the industry from other industries or other provinces to meet rising demands or the number of workers that exit the industry in downturns. Positive net mobility means that industry must attract workers, while negative net mobility arises from an excess supply of workers in the local construction labour force.

### Ontario Construction industry overview



- The COVID-19 pandemic overlayed a strong demand for renovation and housing on top of an existing non-residential expansion, inducing a 16% rise in overall construction investment between 2020 and 2021.
- Residential construction surged as housing starts increased to 92,000 units in 2021, up from 69,000 in 2019. Going forward, starts are expected to moderate between 2022 and 2025 as interest rates edge up and international migration to the province slows. Residential investment is expected to decline by a modest 6% following a 22% increase over the past two years.
- Non-residential investment, which grew more slowly, is expected to continue to rise to 2027, driven by major infrastructure, public transit, utilities, mining projects, IC\*\*I building construction, and maintenance requirements. The non-residential sector benefits from a long list of planned major projects across all regions of the province that will drive investment 12% higher between 2021 and the scenario peak in 2026.



#### Source: Statistics Canada, BuildForce Canada (2022-2027)

\* **\$2012 millions** indicates that the investment values are in year 2012 dollars (base year), that is, adjusted for inflation. This is used to calculate the real physical year-to-year change of the value of construction, factoring out growth (increase in value) due to increases in prices. \*\* industrial, commercial, institutional

#### Ontario construction industry overview



- The number of houses, non-residential buildings, and other infrastructure in Ontario has grown substantially over the past decade. These assets are aging and will require maintenance throughout the forecast period and beyond.
- Residential maintenance is expected to remain mostly unchanged, sustained at around a 6% share of total construction investment throughout the forecast period.
- Non-residential maintenance in the region is expected to rise slightly in terms of its share of overall construction investment. This is driven in part by the aging of public- (roads, highways, bridges, hospitals, public transit, government buildings, etc.) and private-sector assets in the region.



Note: The chart above shows residential and non-residential maintenance investment as a percentage of total construction investment

## **Ontario Residential Construction**

Ontario 2022-2027 Construction and Maintenance Looking Forward

### **Residential construction**

Housing starts and household formations

Forecast Short term Long term 120.000 100.000 80.000 Numaber of Units 000,000 Number of 000,000 Numbe 20,000 0 6L 0 0 Housing starts 2016 2011 2012 2013 2014 2015 2017 2018 2022 2023 2024 2025 2026 2021 2027

Source: CMHC. BuildForce Canada (2022-2027)

\* Household formation refers to the change in the number of households (persons living under one roof or occupying a separate housing unit) from one year to the next. It is the means by which population growth is transformed into demand for new housing.

- Ontario's housing sector has benefitted from large inflows of international migrants over the past five years, driving a substantial increase in household formations\*.
- Due to the COVID-19 health crisis and related travel restrictions, Ontario saw a decline in household formations in 2020, as international migration fell. Despite weaker population trends, housing starts surged in 2020 and 2021 with gains across all regions.
- Household formations should recover in 2022 and be sustained in 2023.
   Weakening population growth drives a steady decline to 2027, before it stabilizes thereafter.
- Housing starts are expected to cycle down over the short term to 2025.
   Over the long term, housing starts track household formations, with starts averaging close to 80,000 units annually.

#### Ontario Residential Construction, 2011-2027



- Across Ontario, nearly 23,000 singledetached units were started in 2020 – up 19% from 2019. Demand for singledetached units continued to rise in 2021, with starts rising to 28,600 units – up 49% compared to 2019.
- Single-detached starts are expected to slow slightly into 2022 but remain elevated due to the current low interestrate environment.
- As a whole, demand for singles is expected to decline by 13% from 2021 levels over the forecast period, averaging around 23,000 units over the long term.
- As a share of housing starts, singledetached units are expected to continue accounting for approximately 30% of total residential construction throughout the forecast period.



Source: CMHC. BuildForce Canada (2022-2027)

\*Single-detached (single) refers to a building containing only one dwelling unit that is completely separated on all sides from any other dwelling or structure.

#### Ontario Residential construction, 2011-2027

Housing starts by structure type





- Due to their relative affordability, multi-unit starts account for approximately 70% of the overall residential construction market in the region.
- Semi-detached units, which in 2021 accounted for just 5% of the residential construction market, experienced a 14% rise over 2020 levels. Semi-detached units are expected to remain relatively stable over the forecast period, averaging around 2,600 units.
- Row housing accounted for 23% of the market in 2021 and experienced a 17% increase over 2020 levels. Due to their relative affordability, demand should be sustained over the short term and average around 14,500 starts annually over the forecast period.
- Apartments, which account for 72% of the residential construction market, increased to a historical high of 46,000 unit starts in 2021. Over the forecast period, apartment construction should decline from the 2021 peak by 14%. On average, apartments will account for 40,000 annual starts over the latter part of the forecast period.



Source: CMHC BuildForce Canada (2022-2027)

\*Semi-detached (double) and semi refers to one of two dwellings located side-by-side in a building, adjoining no other structure, and separated by a common or party wall extending from ground to roof.

\*\* Row (townhouse) refers to a one-family dwelling unit in a row of three or more attached dwellings separated by a common or party wall extending from ground to roof.

\*\*\* Apartments and other includes all dwellings other than those described above, including structures commonly known as stacked townhouses, duplexes, triplexes, double duplexes, and row duplexes.

#### Ontario Residential construction, 2011-2027



- New-housing investment generally follows the trends in housing starts.
- Driven by increased housing starts, new-home construction surged over the last few years, peaking in 2021.
- New-housing investment is expected to moderate over the short term as population growth slows and interest rates rise.
   Investment is expected to stabilize through to 2025, followed by a modest rise thereafter through to 2027.
- After a decline in 2020, renovation permit activity commenced a strong rise in 2021; a trend that is expected to be maintained over the forecast period. Strong real estate sales in Ontario's more mature housing markets should contribute to a steady rise in renovation demands, as home sales are often followed by renovations to customize the home to the tastes of the new occupants. By 2027, renovation investment is expected to be 12% higher than 2021 levels.



Source: Statistice Canada RuildForce Canada (2022-2027)

\* **\$2012 millions** indicates that the investment values are in year 2012 dollars (base year), that is, adjusted for inflation. This is used to calculate the real physical year-to-year change of the value of construction, factoring out growth (increase in value) due to increases in prices.

### **Ontario Residential construction**

Total direct trades and occupations

#### Total changes in labour force



• The changing employment demand in the region will have implications for the labour force.

- As new-home construction declines from 2021 peak levels, the decrease in overall employment will necessitate the industry to contract by 9,700 workers over the forecast period.
- The retirement of almost 31,000 workers during this period will still require the industry to recruitment some 21,300 workers.
- Over the forecast period, the addition of 25,500 new-entrant workers under the age of 30 from local recruitment efforts to keep pace with demands could lead to a surplus of almost 4,300 workers by 2027.
- Some of these workers will find employment in other segments of construction, but careful labour force management will be required throughout the forecast period.

Note: Due to rounding, numbers may not add up to the totals indicated.

\* Net mobility refers to the number of workers needed to be brought into the industry from other industries or other provinces to meet rising demands or the number of workers that exit the industry in downturns. Positive net mobility means that industry must attract workers, while negative net mobility arises from an excess supply of workers in the local construction labour force.

## Ontario Non Residential Construction

Ontario 2022-2027 Construction and Maintenance Looking Forward

#### Ontario Non-residential construction, 2011-2027



#### Industrial building construction held steady in 2020, as the negative effects of COVID-19 and the completion of several manufacturing projects were mostly offset by the ramping up of industrial work in Sarnia, spin-offs from mining activity in the North, and transportation work in the GTA and Central regions. Investment is expected to benefit over the short term from recovery, but cycles lower to 2023 and remains relatively static over the remainder of the forecast period.

- Commercial building construction was hit very hard by COVID-19 restrictions, particularly related to investment in the hospitality and travel and tourism sectors. Activity in the sector rebounded in 2021 and is expected to continue to recover in line with overall economic growth.
- Investment in institutional and government building construction averaged 5% growth between 2020 and 2021. Investment is expected to surge between 2023 and 2026 with the anticipated start and acceleration of several major hospital and other institutional building projects across all regions of the province.

#### Investment: industrial, commercial, and institutional



#### Source: Statistics Canada. BuildForce Canada (2022-2027)

\* **\$2012 millions** indicates that the investment values are in year 2012 dollars (base year), that is, adjusted for inflation. This is used to calculate the real physical year-to-year change of the value of construction, factoring out growth (increase in value) due to increases in prices. Note: **Non-residential construction** excludes the value of machinery and equipment.

#### Ontario Non-residential construction, 2011-2027

**Investment: engineering** 



#### Other engineering investment is primarily driven by activity in the transportation and warehousing industries, since the service sectors only include a small amount of investment classified as engineering. While 2021 was a down year, investment levels are expected to rise throughout the forecast period, primarily driven by the construction of several large public transit projects, with close to \$60 billion dollars in transportation-related projects. The majority of these projects

are expected to wind down after 2027.

- Heavy-industrial engineering is driven primarily by mining and utilities. In 2021, mining projects in Northern Ontario and nuclear refurbishment work in the GTA and Southwestern Ontario led to a peak in heavy-industrial engineering investment. Completion of tracked mining projects causes investment to decline after 2023.
- Investment in roads, highways, and bridges came off peak in 2020, supported by the completion of the 407 extension and other infrastructure projects. Over the first half of the forecast period, investment is anticipated to remain relatively stable with ongoing construction at the Gardiner Expressway, Gordie Howe bridge, and Port Lands Flood Protection, and supplemented by numerous smaller road and bridge projects.



Source: Statistics Canada, BuildForce Canada (2022-2027)

\* **\$2012 millions** indicates that the investment values are in year 2012 dollars (base year), that is, adjusted for inflation. This is used to calculate the real physical year-to-year change of the value of construction, factoring out growth (increase in value) due to increases in prices. Note: **Engineering construction** excludes the value of machinery and equipment. **Heavy-industrial engineering** includes oil and gas, mining, electric power, wastewater, gas distribution, etc. **Other engineering** includes pipelines, transit systems, tunnels and other civil engineering.

#### Ontario Non-residential construction, 2018-2027

Total direct trades and occupations

Total changes in employment

Forecast Short term Long term 250.000 **Number of workers employed** 200,000 150,000 100,000 50,000 0 2018 2019 2020 2021 2025 2026 2022 2023 2024 2027 ICI\* buildings Engineering Maintenance Source: BuildEarce Canada (2022 2027)

\* industrial, commercial, institutional

- Non-residential employment declined by 7% in 2020, driven by sharp reductions in ICI\* building employment, while engineering construction was mostly sustained (-1.6%).
   Construction employment action and drive 2021
- Construction employment rebounded in 2021 and is projected to rise across most of the forecast period, peaking in 2026, up 23,000 workers (+12%), before receding marginally in 2027.
- Engineering construction is projected to rise by almost 9,000 workers (+12%) to peak in 2026, with some workers released in 2027 as major project activity winds down, but employment remains well above 2021, up by 7,700 workers (+11%).
- ICI building employment recovered in 2021 with gains across all sectors and is projected to post increases across most of the forecast period. A small decline in 2027 occurs as some major institutional projects wind down. Sector employment rises by 10,000 workers (+14%) over the forecast period.
- Following declines in 2020 and 2021, maintenance requirements are projected to rise steadily across the forecast period, adding almost 4,000 workers (+10%) between 2021 and 2027.

### Ontario Non-residential construction



#### Total changes in labour force

skilled trades training and/or construction

experience



Note: Due to rounding, numbers may not add up to the totals indicated.

\* Net mobility refers to the number of workers needed to be brought into the industry from other industries or other provinces to meet rising demands or the number of workers that exit the industry in downturns. Positive net mobility means that industry must attract workers, while negative net mobility arises from an excess supply of workers in the local construction labour force.

### Ottawa Outlook: 2022 onward

## Ottawa, Pop, households & employment, 2021-2046

| POPULATION<br>IIII&III                   | 2021<br>2026<br>2031<br>2036<br>2041<br>2046 | 1,064<br>1,142<br>1,219<br>1,292<br>1,355<br>1,410             | 4,000<br>2,000<br>9,000<br>2,000<br>5,000<br>0,000 |                   |                     |      |          |                     |
|--|--|--|--|-------------------|---------------------|------|----------|---------------------|
| HOUSEHOLDS<br>爸爸爸爸爸爸                     | 2021<br>2026<br>2031<br>2036<br>2041<br>2046 | 429,000<br>468,000<br>505,000<br>537,000<br>565,000<br>591,000 | In 2   | <mark>25</mark> ( | <mark>years,</mark> | +50% | increase | <mark>in pop</mark> |
| EMPLOYMENT<br>\$ \$ \$ \$ \$ \$ \$ \$ \$ | 2021<br>2026<br>2031<br>2036<br>2041<br>2046 | 662,000<br>698,000<br>732,000<br>764,000<br>797,000<br>827,000 |  |                   |                     |      |          |                     |

**1.** Population and households are adjusted for Census undercounting. Population includes institutional residents; households exclude institutional residences and vacant dwellings.

### Ottawa Growth Allocation by Area



I testified before City Council in favour or more suburban growth

3/25/2022

## Ottawa, Growth by area, to 2046



Will account for an additional 10% of new jobs to 2046.

## Ottawa growth by intensification, 2021-2046



The percentage represents the proportion of new **private residential dwelling units** based upon building permit issuance for each year within the built-up portion of the urban area.

3/25/2022

## CB, Dominant Industries, 2021

| Class*                                      | Industry  | Employees<br>(000s) |
|---|---|---------------------|
| 9110-11                                     | Federal government                              | 163.3               |
| 4411-4543                                   | Retail trade                                    | 69.8                |
| 2311-29                                     | Construction                                    | 50.8                |
| 6111  | Primary and secondary schools                   | 34.9                |
| 6220  | Hospitals                                       | 34.5                |
| 5415  | Computer systems design services                | 32.2                |
| 6211-19                                     | Ambulatory health care services                 | 28.8                |
| 7221–24                                     | Food and beverage services                      | 28.6                |
| 5511, 5611–12,<br>5615–17, 5619,<br>5621–29 | Other management and<br>administrative services | 25.0                |
| 6112–17                                     | Post-secondary education                        | 24.9                |

\*North American Industrial Classification System Source: Statistics Canada.

#### Construction is 3<sup>rd</sup> largest employer

#### CB, Ottawa, GDP CAGR outlook by Sector

2022 (annual growth rate)
 2023–26f (average annual compound growth rate)



\*arts, entertainment, and recreation; accommodation and food services; and other services (except public administration) Source: The Conference Board of Canada.

## CB, Ottawa vs ON vs CAN Comparative employment, 2020



\*arts, entertainment, and recreation; accommodation and food services; and other services (except public administration) Sources: The Conference Board of Canada; Statistics Canada.

### CB, Sources of migration, 2019-2026

![](_page_63_Figure_1.jpeg)

## CB, Ottawa Housing Starts, 2016-2026

![](_page_64_Figure_1.jpeg)

e = estimate; f = forecast

Sources: The Conference Board of Canada; CMHC Housing Time Series Database.

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### CB, Ottawa Real Estate, 2021, Q3

#### **Real Estate**

#### Downtown Office Market (2021Q3)

| Class A vacancy rate                  | 7.2%    |
|---------------------------------------|---------|
| Average Class A net rent (\$/sq. ft.) | \$23.28 |

#### Suburban Office Market (2021Q3)

| Class A vacancy rate                  | 8.8%    |
|---------------------------------------|---------|
| Average Class A net rent (\$/sq. ft.) | \$15.43 |

#### Industrial Market (2021Q3)

| Overall availability rate     | 2.6%    |
|-------------------------------|---------|
| Average net rent (\$/sq. ft.) | \$11.94 |

#### Apartment Market (October 2020)\*

| Vacancy rate             | 3.8%       |
|--------------------------|------------|
| Average two-bedroom rent | \$1,521.00 |

\*in structures with at least six units.

Sources: CBRE; CMHC Housing Time Series Database.

![](_page_65_Picture_12.jpeg)

## CB, Ottawa, Construction, commercial real estate & income overview, 2012-2020

#### **Construction, Commercial Real Estate, and Income Overview**

![](_page_66_Figure_2.jpeg)

#### Breakdown of Non-Residential Building Permits (\$ 000s)

Industrial Ocommercial Public admin. and non-comm.

![](_page_66_Figure_5.jpeg)

Sources: The Conference Board of Canada; Statistics Canada; Industry Canada; CBRE.

Sources: The Conference Board of Canada; Statistics Canada; Industry Canada; CBRE.

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## Conclusions

**COVID** is over from economic perspective

Ukraine invasion will end this year

Oil prices will decline to \$85/\$90 range

□ Inflation is becoming embedded

#### Bank of Canada will increase rates 3x more

## Conclusions Immigration will continue @ 400,000/year

Budget 2022 fight between:

More income support vs econ growth

Including infrastructure spending

Increased residential construction