

2016 ANNUAL REPORT

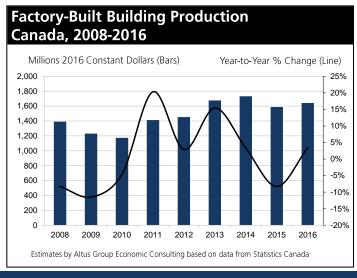
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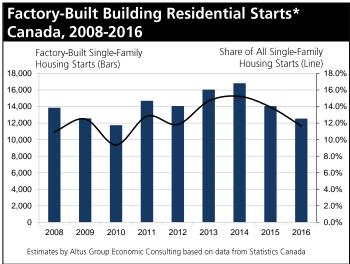
Factory-Built Conditions

The CHBA Modular Construction Council conducts a survey of producers of factory-built homes called the *CHBA Modular Construction Survey*. Altus Group analyses the data produced from the CHBA Survey and provides information as to the evolving position of factory-built buildings within the Canadian construction sector.

Highlights from 2016:

- In 2016, the value of factory-built building production in Canada (residential and non-residential combined) was slightly over \$1.6 billion, up about 3.5% from 2016 and above the recent 5-year average.
- Factory-built units accounted for about 11.5% of all single-family homes started in 2016, a decrease compared to 2015.
- Some 12,336 factory-built single-family homes were started in 2016, down about 12% from a revised 14,049 units in 2015; overall single-family starts (both factory and site-built) increased by 7%.
- Factory-built building activity helps support over 26,615 full-time equivalent jobs across the country and generates some \$622 million annually in federal and provincial taxes.
- Quebec and Alberta have the largest number of jobs supported by the factory-built building industry.













NATIONAL INDUSTRY INDICATORS

Construction Industry

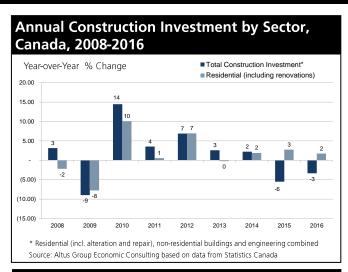
Residential construction investment (a number inclusive of new housing construction, renovation investment and acquisitions costs) advanced 2% in 2016. Conversely, total construction spending declined 3% (after inflation) from the previous year. This marked the second straight annual decline. Construction spending was negatively impacted by declining investment in the energy sector in 2016.



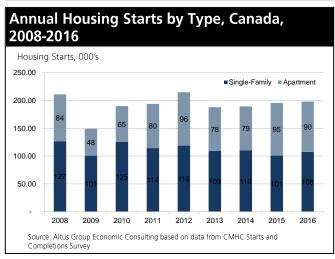
Canada's international trade balance in factorybuilt buildings was significantly positive in 2016. Ontario and B.C. accounted for 75% of imports. Exports were strong in Quebec, Ontario and B.C. though each region had a positive trade balance in factory-built buildings.

Housing Industry Overview

Canada Mortgage and Housing Corporation (CMHC) publishes data on housing starts (including both site-built and factory-built homes). Overall, housing starts in Canada increased very modestly to 197,915 units in 2016 up about 1.2% from the previous year. Single-family units (including single-detached, semi-detached and row house units) increased in 2016 while apartments dropped some 5%, to about 90,000.

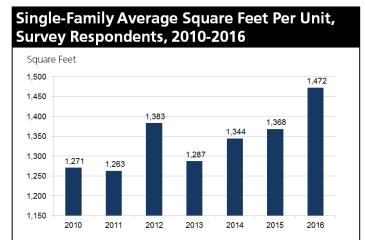


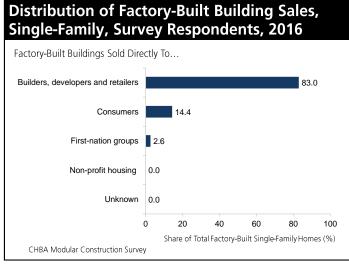


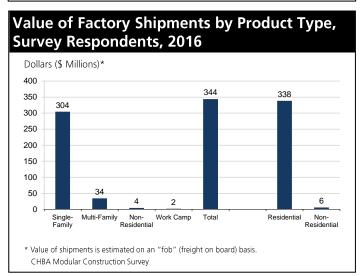


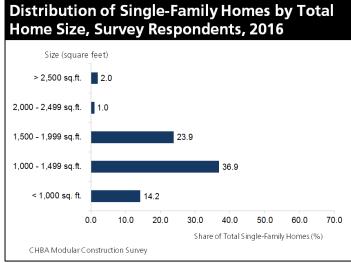
SURVEY RESULTS

CHBA Modular Construction Survey









CHBA Modular Construction Survey

The *CHBA Modular Construction Survey* is a survey that collects data from producers of factory-built buildings relating to production volumes. Manufacturers are certified to Canadian Standards Association (CSA) standards. As of January 2017, 161 firms in Canada, the U.S. and China were identified as certified builders of prefabricated buildings, modules and panels under the CSA A277 standard. In 2016, 17 firms participated in the *CHBA Modular Construction Survey*, representing an effective response rate* of 22%.

If you are interested in participating in the CHBA Modular Construction Survey, please contact:

CHBA Modular Construction Council

141 Laurier Avenue West, Suite 500, Ottawa, ON, Canada, K1P 5G3

T: (613) 563-3520 F: (613) 232-8600 E: maynard@chba.ca

^{*} Share of survey respondents' production of single-family homes to estimated total production in Canada and net imports (12,336 homes).

CHBA Modular Construction Survey Summary Statistics, Survey Respondents, 2016

Type of Unit	Units	Square Feet	Value	Value
		(000s)	\$ (millions)	\$ (per sf)
Single-family homes	2,696	3,969	304.3	76.7
Multi-family homes	399	208	33.8	162.5
Non-residential	na	38	4.0	105.3
Other residential components ¹	150	3	0.4	105.3
Work camp production	na	11	1.6	151.7
Residential	3,245	4,181	338.4	80.9
Non-Residential	na	49	6	115.4
Total Production ²	3,245	4,229	344.0	81.3

¹ Other residential components include second-storey additions, wall panels, individual rooms used as additions to existing dwellings, etc.

Source: Altus Group Economic Consulting based on data from the CHBA Modular Construction Survey

Estimate of Total Manufactured Building Production, Canada, by Region, 2016

Type of Unit	Atlantic Canada	Quebec & Ontario	Western Canada	Total	
		Units			
Survey Respondents					
Single-Family Single-Section*	382	**	1,110	1,492	
Single-Family Multi-Section*	**	**	310	310	
Single-Family Total	751	524	1,421	2,696	
Multi-Family	98	157	144	399	
Estimate of Other Producers					
Other Producers and Types of Units	239	4,482	4,508	9,229	
Total	1,088	5,163	6,073	12,324	

² Production refers to units that are produced in the factory and shipped to destinations in Canada and the United States. Value of shipments is estimated on an "fob" (freight on board) basis.

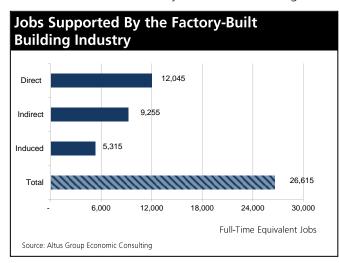


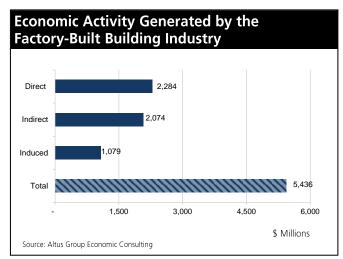
2016 ANNUAL REPORT - NATIONAL ECONOMIC BENEFITS

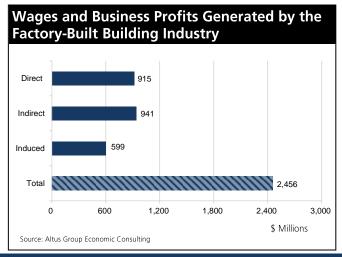
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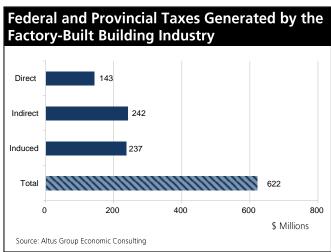
The factory-built building industry generates tremendous economic benefits, in the form of employment, wages, government taxes, etc., to the Canadian economy. In 2016, factory-built building production, installation and other related activities generated more than \$5.4 billion in economic activity, helping to support more than 26,600 full-time equivalent jobs in Canada. The industry was also responsible for generating some \$622 million in federal and provincial taxes. The industry is clearly a vital component of the Canadian economy.

The CHBA Modular Construction Survey collects data from producers of factory-built buildings. Manufacturers are certified to Canadian Standards Association (CSA) standards. As of January 175 firms in Canada, the U.S. and China were identified as certified builders of factory-constructed buildings and structures under the CSA A277 Standard.





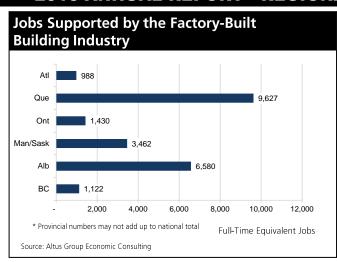


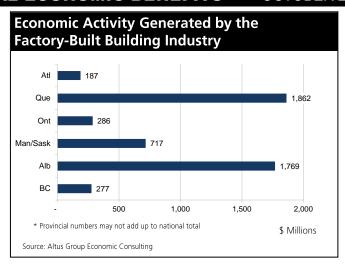


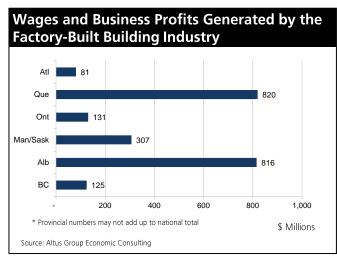


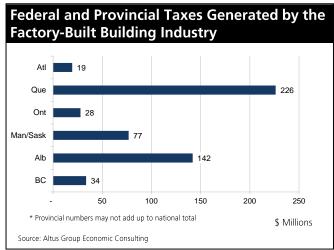
2016 ANNUAL REPORT - REGIONAL ECONOMIC BENEFITS

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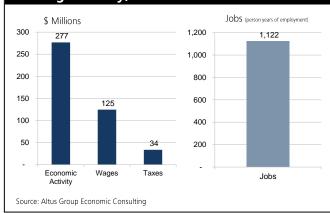
Regional economic impact refers to the impact to the national economy stemming from activity within a given province or region and includes three rounds:

<u>Direct</u> – jobs and economic activity related directly to the day-to-day operations of the industry <u>Indirect</u> – jobs and economic activity connected to the supply chain supporting the industry <u>Induced</u> – jobs and economic activity supported by spending of income from the first two rounds

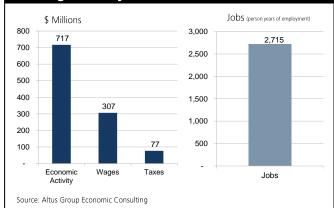
- **Economic activity** of the factory-built building industry includes the activity stemming from the manufacture, installation, and transportation of factory-built buildings
- Jobs refers to full-time equivalent person-years of employment



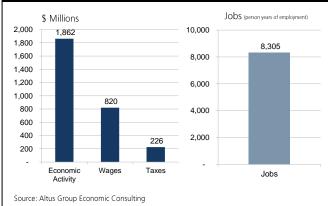
Economic Impact Summary, Factory-Built Building Industry, B.C.



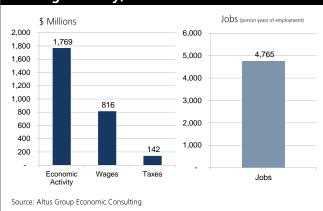
Economic Impact Summary, Factory-Built Building Industry, Manitoba / Saskatchewan



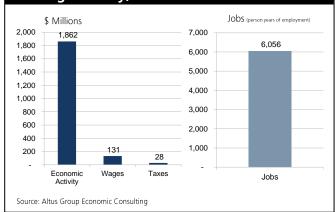
Economic Impact Summary, Factory-Built Building Industry, Quebec



Economic Impact Summary, Factory-Built Building Industry, Alberta



Economic Impact Summary, Factory-Built Building Industry, Ontario



Economic Impact Summary, Factory-Built Building Industry, Atlantic Canada

