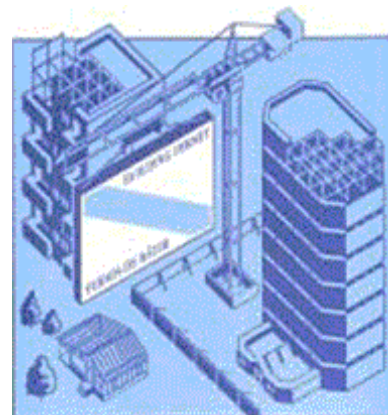


Building Permits

June 2017

Release date: August 10, 2017



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The following symbols are used in Statistics Canada publications:

- | | |
|----------------|--|
| . | not available for any reference period |
| .. | not available for a specific reference period |
| ... | not applicable |
| 0 | true zero or a value rounded to zero |
| 0 ^s | value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded |
| ^p | preliminary |
| ^r | revised |
| x | suppressed to meet the confidentiality requirements of the <i>Statistics Act</i> |
| ^E | use with caution |
| F | too unreliable to be published |
| * | significantly different from reference category ($p < 0.05$) |

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Important notice

Changes in boundaries, status or names of geographical entities that occurred before January 2017, are reflected in this publication. These geographical changes may be obtained by writing to:

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Building Permits — June 2017

***The Daily* release**

Please note that the analytical text and charts previously found in this publication continue to be available in *The Daily* (www.statcan.gc.ca/daily-quotidien/170809/dq170809a-eng.htm).

Note to readers

Unless otherwise stated, this release presents seasonally adjusted data, which facilitate comparisons by removing the effects of seasonal variations. For information on seasonal adjustment, see *Seasonally adjusted data – Frequently asked questions*.

The Building Permits Survey covers over 2,400 municipalities, representing 95% of the Canadian population. The communities representing the other 5% of the population are very small and their levels of building activity have little impact on the total for the entire population.

Building permits data are used as a leading indicator of activity in the construction industry.

The value of planned construction activities presented in this release excludes engineering projects (such as waterworks, sewers or culverts) and land.

For the purposes of this release, the census metropolitan area of Ottawa–Gatineau (Ontario/Quebec) is divided into two areas: the Gatineau part and the Ottawa part.

Unless otherwise specified, the highlights refer to seasonally adjusted current dollars and are ranked in terms of dollar change rather than percentage change.

Revision

Data for the current reference month are subject to revision based on late responses. Data for the previous month have been revised.

Trend-cycle estimates have been added to the charts as a complement to the seasonally adjusted series. Both the seasonally adjusted and the trend-cycle estimates are subject to revision as additional observations become available. These revisions could be large and even lead to a reversal of movement, especially at the end of the series. The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the chart.

For information on trend-cycle data, see the *StatCan Blog* and *Trend-cycle estimates – Frequently asked questions*.

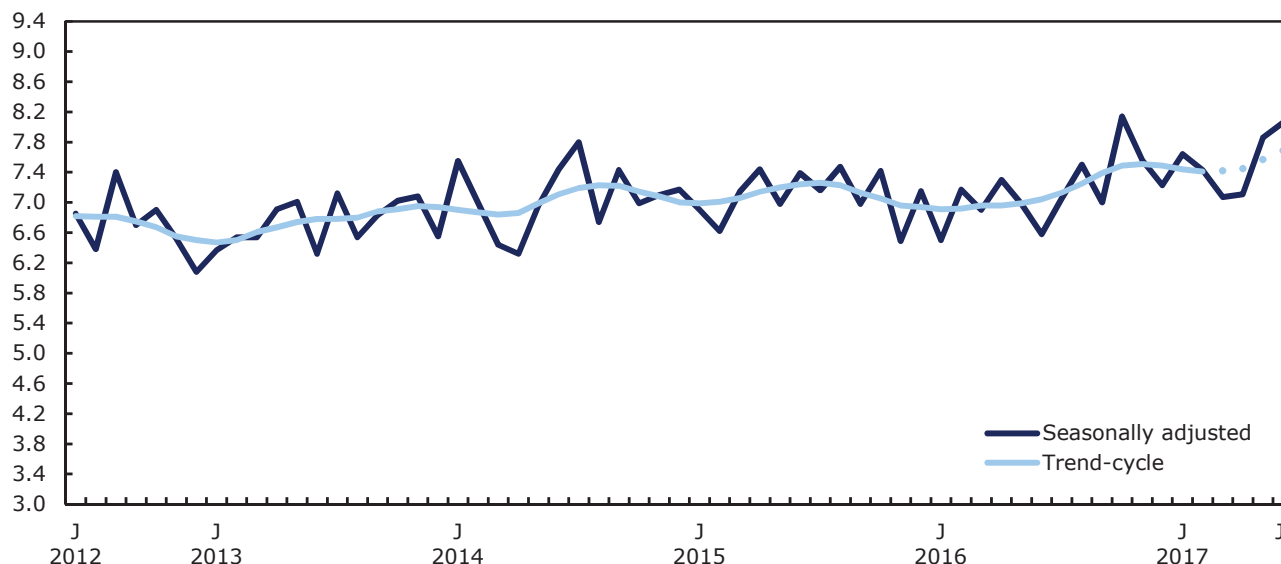
Next release

Data for July on building permits will be released on September 7, 2017.

Charts

Chart 1
Total value of building permits

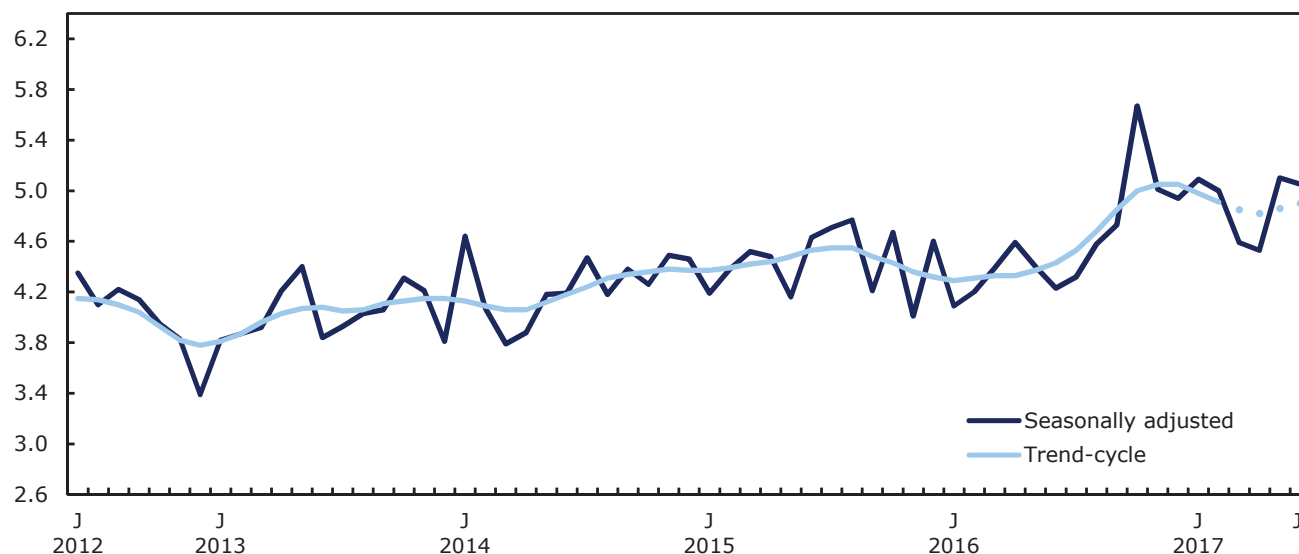
billions of dollars



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

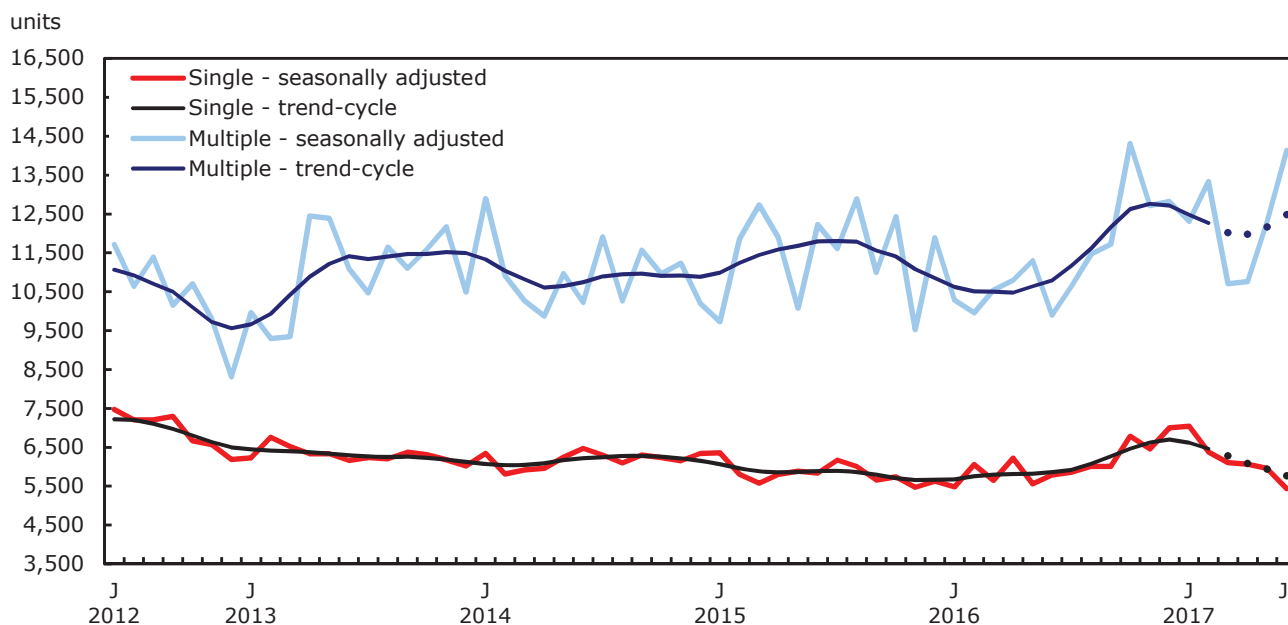
Chart 2
Value of residential building permits - Total

billions of dollars



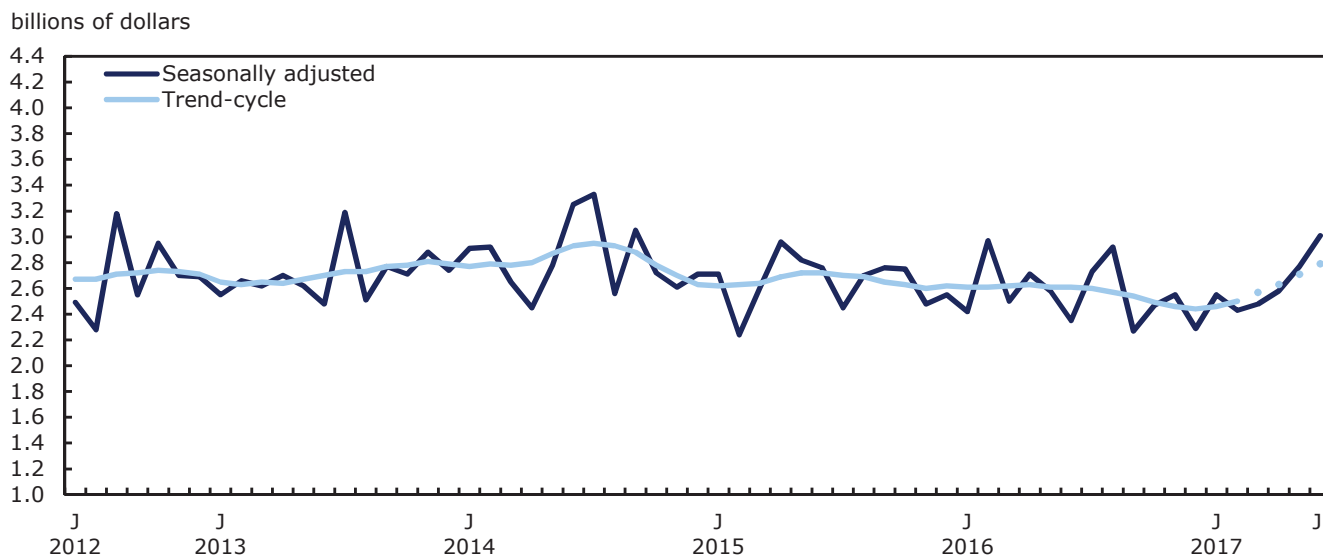
Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

Chart 3
Number of dwelling units - Single and multiple



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

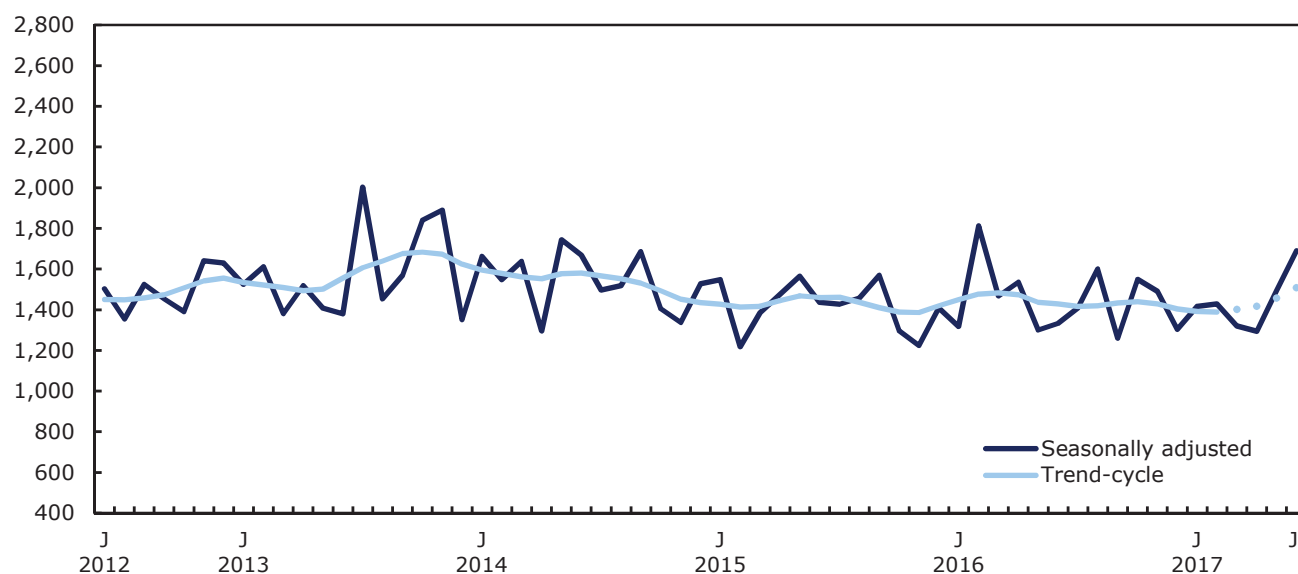
Chart 4
Value of non-residential building permits - Total



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

Chart 5
Value of commercial building permits

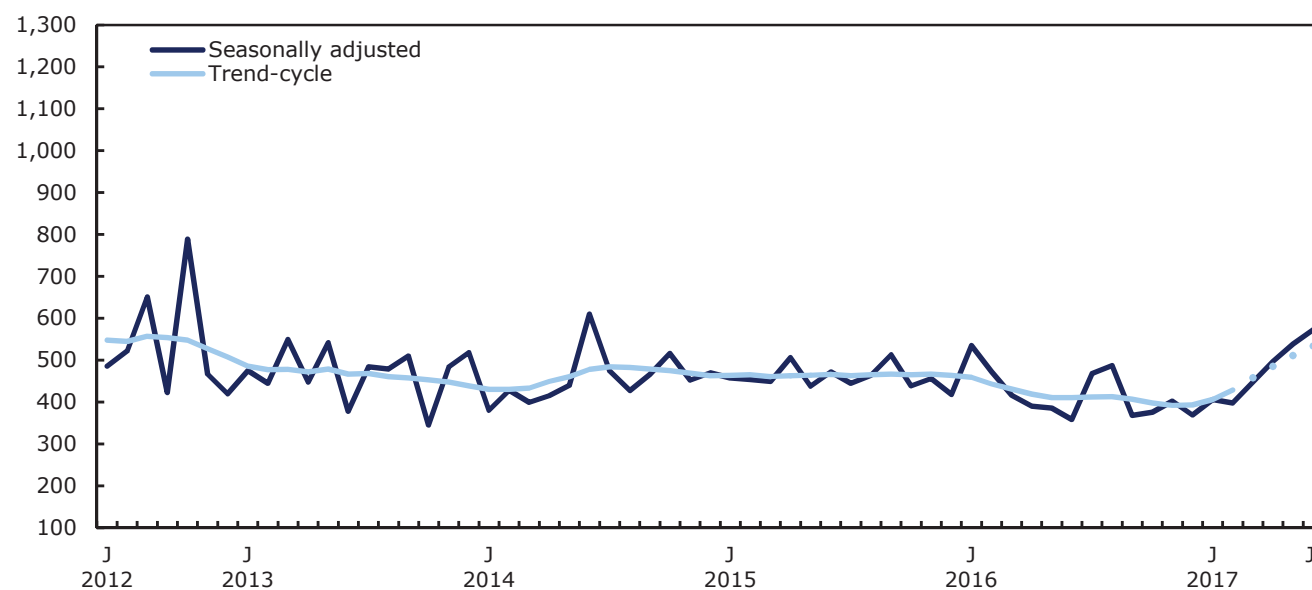
millions of dollars



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

Chart 6
Value of industrial building permits

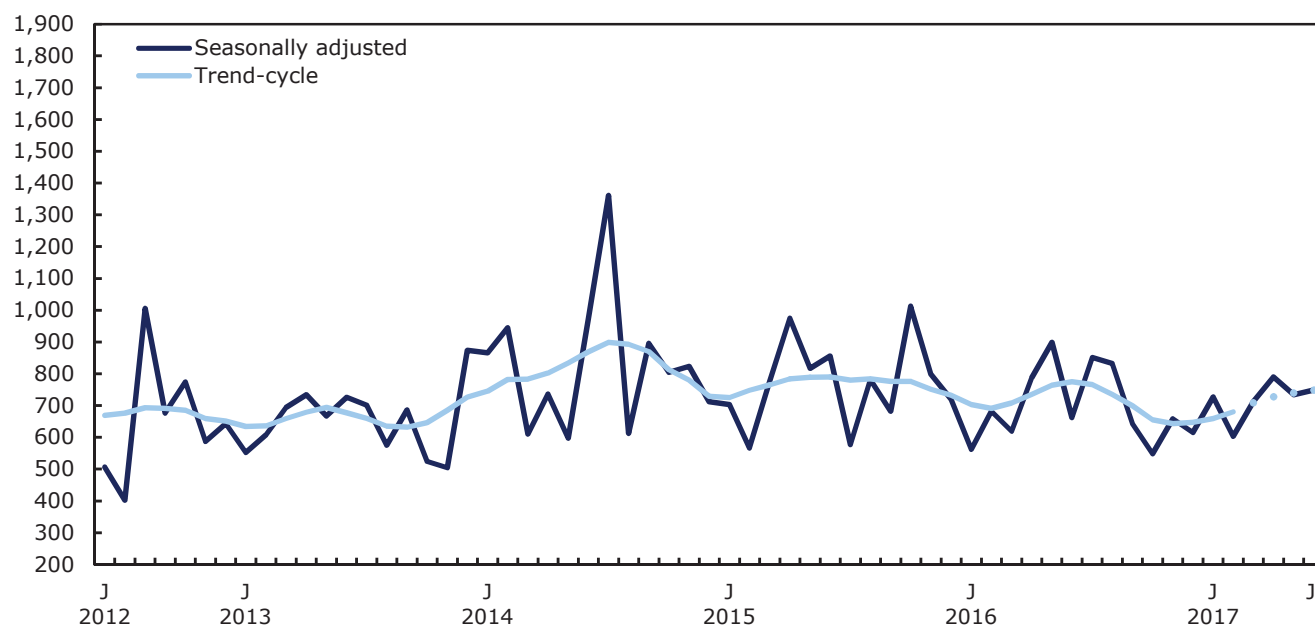
millions of dollars



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

Chart 7
Value of institutional and governmental building permits

millions of dollars



Notes: The higher variability associated with the trend-cycle estimates is indicated with a dotted line on the graph for the current reference month and the three previous months. See Note to readers.

Tables

Table 1
Total value of building permits, provinces and territories, seasonally adjusted

	2017 June ^p	2017 May	June to May	May to April	April to March	March to February	February to January	January to December
	thousands of dollars		percentage change					
Canada	8,062,025	7,864,317	2.5	10.7	0.5	-4.9	-2.8	5.8
Newfoundland and Labrador	50,457	69,869	-27.8	128.0	-4.0	-29.1	3.2	-18.8
Prince Edward Island	21,576	50,835	-57.6	173.6	3.4	-8.5	29.5	16.7
Nova Scotia	127,346	94,582	34.6	-24.7	26.7	-27.7	-7.3	93.5
New Brunswick	65,989	140,464	-53.0	65.1	33.5	-43.8	14.1	70.4
Quebec	1,474,977	1,313,680	12.3	0.3	3.1	5.6	-2.7	-1.4
Ontario	3,400,376	3,339,303	1.8	14.0	-7.2	4.0	-6.8	-9.0
Manitoba	318,916	227,135	40.4	7.1	16.8	-31.2	-12.6	54.9
Saskatchewan	204,804	168,236	21.7	-2.9	12.9	-37.7	66.2	3.8
Alberta	1,087,022	1,181,141	-8.0	17.9	-9.9	-0.5	-8.5	46.5
British Columbia	1,292,616	1,267,239	2.0	5.0	24.0	-20.1	4.9	20.3
Yukon	7,432	8,068	-7.9	-22.2	88.2	92.8	-31.6	-91.5
Northwest Territories	9,774	3,264	199.4	-10.7	103.5	-93.8	708.3	114.7
Nunavut	740	501	47.7	...	...	-100.0	-98.5	-13.5

Table 2
Value of non-residential building permits, provinces and territories, seasonally adjusted

	2017 June ^p	2017 May ^r	June to May	May to April	April to March	March to February	February to January	January to December
	thousands of dollars		percentage change					
Canada	3,012,341	2,768,114	8.8	7.3	4.0	2.1	-4.7	11.4
Newfoundland and Labrador	20,020	39,260	-49.0	234.8	64.4	-46.2	20.2	-24.9
Prince Edward Island	7,800	32,751	-76.2	733.6	-25.8	-25.9	143.7	-30.4
Nova Scotia	43,258	31,669	36.6	-46.7	52.5	10.1	-35.1	158.7
New Brunswick	34,455	109,535	-68.5	141.3	82.7	-59.2	-3.5	146.1
Quebec	621,873	501,630	24.0	-2.7	4.6	8.7	5.6	-0.2
Ontario	1,345,927	1,133,429	18.7	2.5	-0.5	30.1	-7.0	-7.6
Manitoba	143,721	76,919	86.8	1.6	23.6	-45.3	34.1	4.0
Saskatchewan	93,722	69,232	35.4	-10.6	23.6	-58.8	134.2	5.4
Alberta	383,998	432,355	-11.2	27.2	-18.5	-8.5	-23.5	60.0
British Columbia	305,853	335,278	-8.8	-1.9	33.5	-0.3	-20.1	36.5
Yukon	3,903	3,363	16.1	37.5	-33.9	...	-81.6	-96.8
Northwest Territories	7,671	2,693	184.8	44.0	...	-99.7	...	...
Nunavut	140	0	...	...	...	...	-100.0	-13.2

Table 3
Value of residential building permits, provinces and territories, seasonally adjusted

	2017 June ^p	2017 May ^r	June to May	May to April	April to March	March to February	February to January	January to December
	thousands of dollars		percentage change					
Canada	5,049,684	5,096,203	-0.9	12.6	-1.3	-8.3	-1.8	3.2
Newfoundland and Labrador	30,437	30,609	-0.6	61.8	-23.7	-21.9	-2.5	-16.5
Prince Edward Island	13,776	18,084	-23.8	23.4	15.6	1.5	2.1	39.2
Nova Scotia	84,088	62,913	33.7	-4.9	9.9	-40.9	8.9	68.8
New Brunswick	31,534	30,929	2.0	-22.0	2.1	-25.9	44.9	10.9
Quebec	853,104	812,050	5.1	2.2	2.1	3.8	-7.1	-2.0
Ontario	2,054,449	2,205,874	-6.9	20.9	-10.8	-6.2	-6.8	-9.6
Manitoba	175,195	150,216	16.6	10.1	13.3	-20.9	-30.5	90.5
Saskatchewan	111,082	99,004	12.2	3.4	5.5	-3.7	13.1	2.6
Alberta	703,024	748,786	-6.1	13.1	-4.8	5.1	5.7	35.7
British Columbia	986,763	931,961	5.9	7.8	20.5	-25.4	14.5	15.1
Yukon	3,529	4,705	-25.0	-40.6	336.9	-29.6	-2.6	43.3
Northwest Territories	2,103	571	268.3	-68.0	4.9	26.5	-30.2	26.2
Nunavut	600	501	19.8	...	...	-100.0	...	-100.0

Table 4
Number of dwelling units authorized, province and territories, seasonally adjusted at annual rate

	2017 June ^p	2017 May ^r	June to May	May to April	April to March	March to February	February to January	January to December
	units		percentage change					
Canada	234,804	218,964	7.2	8.4	0.1	-14.7	1.9	-2.4
Newfoundland and Labrador	1,644	1,464	12.3	110.3	-36.3	-8.1	-8.3	-44.6
Prince Edward Island	960	1,776	-45.9	54.2	57.4	-7.6	-1.5	71.8
Nova Scotia	4,872	3,468	40.5	-13.5	34.7	-40.5	4.5	51.1
New Brunswick	1,572	1,632	-3.7	-33.0	18.0	-57.2	135.1	6.9
Quebec	53,532	45,504	17.6	1.9	2.5	-0.6	-5.5	-17.3
Ontario	86,412	82,596	4.6	10.5	-6.3	-17.2	-1.2	-12.4
Manitoba	6,984	7,356	-5.1	2.3	18.8	-30.4	-42.3	141.8
Saskatchewan	6,072	5,196	16.9	16.4	-6.8	-8.1	25.4	-3.9
Alberta	27,240	26,820	1.6	4.6	-12.5	20.9	5.9	19.1
British Columbia	45,096	42,744	5.5	17.8	16.3	-32.5	25.1	13.1
Yukon	276	372	-25.8	-35.4	242.9	-33.3	5.0	53.8
Northwest Territories	132	12	...	-80.0	25.0	...	-100.0	...
Nunavut	12	24	-50.0	...	...	...	...	...

Table 5
Dwelling units, value of residential and non-residential building permits, provinces and territories, seasonally adjusted, 2017

	Number of dwelling units			Estimated value of construction						
	Singles¹	Multiples	Total dwellings	Residential	Non-residential				Total	Total
					Industrial	Commercial	Institutional and governmental	Total		
	units	units						thousands of dollars		
Canada										
May ^r	5,956	12,291	18,247	5,096,203	539,252	1,494,899	733,963	2,768,114	7,864,317	
June ^p	5,432	14,135	19,567	5,049,684	573,491	1,689,505	749,345	3,012,341	8,062,025	
Cumulative Jan. to June 2017	36,989	73,534	110,523	29,355,164	2,859,961	8,643,721	4,316,727	15,820,409	45,175,573	
Cumulative Jan. to June 2016	34,755	62,771	97,526	25,896,625	2,558,508	8,764,412	4,210,067	15,532,987	41,429,612	
Newfoundland and Labrador										
May ^r	64	58	122	30,609	1,851	36,609	800	39,260	69,869	
June ^p	69	68	137	30,437	10,565	9,438	17	20,020	50,457	
Cumulative Jan. to June 2017	442	173	615	169,063	19,799	79,191	3,434	102,424	271,487	
Cumulative Jan. to June 2016	518	287	805	206,752	4,864	73,806	18,411	97,081	303,833	
Prince Edward Island										
May ^r	39	109	148	18,084	4,645	18,898	9,208	32,751	50,835	
June ^p	46	34	80	13,776	2,413	4,325	1,062	7,800	21,576	
Cumulative Jan. to June 2017	287	231	518	83,917	8,340	33,509	18,007	59,856	143,773	
Cumulative Jan. to June 2016	224	130	354	70,203	13,671	16,157	7,461	37,289	107,492	
Nova Scotia										
May ^r	148	141	289	62,913	2,627	25,914	3,128	31,669	94,582	
June ^p	150	256	406	84,088	6,501	33,631	3,126	43,258	127,346	
Cumulative Jan. to June 2017	905	1,188	2,093	468,492	34,234	174,394	54,611	263,239	731,731	
Cumulative Jan. to June 2016	886	1,130	2,016	404,776	30,386	101,673	45,153	177,212	581,988	
New Brunswick										
May ^r	93	43	136	30,929	6,733	47,318	55,484	109,535	140,464	
June ^p	86	45	131	31,534	2,760	27,030	4,665	34,455	65,989	
Cumulative Jan. to June 2017	581	634	1,215	229,672	52,056	194,512	91,626	338,194	567,866	
Cumulative Jan. to June 2016	665	492	1,157	237,841	29,819	174,671	65,360	269,850	507,691	
Quebec										
May ^r	764	3,028	3,792	812,050	115,076	246,595	139,959	501,630	1,313,680	
June ^p	818	3,643	4,461	853,104	152,257	308,859	160,757	621,873	1,474,977	
Cumulative Jan. to June 2017	4,846	18,283	23,129	4,793,575	644,657	1,459,908	908,935	3,013,500	7,807,075	
Cumulative Jan. to June 2016	5,208	14,907	20,115	4,319,160	561,712	1,468,118	729,632	2,759,462	7,078,622	
Ontario										
May ^r	2,386	4,497	6,883	2,205,874	273,021	593,984	266,424	1,133,429	3,339,303	
June ^p	2,000	5,201	7,201	2,054,449	284,127	696,882	364,918	1,345,927	3,400,376	
Cumulative Jan. to June 2017	15,877	27,235	43,112	12,651,293	1,276,868	3,506,057	1,687,393	6,470,318	19,121,611	
Cumulative Jan. to June 2016	14,861	21,901	36,762	10,902,581	1,186,168	3,099,624	1,441,787	5,727,579	16,630,160	
Manitoba										
May ^r	327	286	613	150,216	10,957	48,886	17,076	76,919	227,135	
June ^p	277	305	582	175,195	13,320	110,489	19,912	143,721	318,916	
Cumulative Jan. to June 2017	1,779	2,498	4,277	952,959	69,931	385,921	97,237	553,089	1,506,048	
Cumulative Jan. to June 2016	1,424	1,483	2,907	678,215	108,769	403,649	170,782	683,200	1,361,415	
Saskatchewan										
May ^r	191	242	433	99,004	7,583	45,471	16,178	69,232	168,236	
June ^p	210	296	506	111,082	5,203	74,644	13,875	93,722	204,804	
Cumulative Jan. to June 2017	1,173	1,317	2,490	574,087	107,619	309,398	103,257	520,274	1,094,361	
Cumulative Jan. to June 2016	1,097	1,080	2,177	498,720	41,079	253,125	244,304	538,508	1,037,228	
Alberta										
May ^r	1,148	1,087	2,235	748,786	38,744	220,558	173,053	432,355	1,181,141	
June ^p	1,057	1,213	2,270	703,024	38,929	241,051	104,018	383,998	1,087,022	
Cumulative Jan. to June 2017	6,401	6,610	13,011	4,095,737	350,752	1,389,643	883,880	2,624,275	6,720,012	
Cumulative Jan. to June 2016	5,259	7,652	12,911	3,600,749	330,264	1,972,857	949,937	3,253,058	6,853,807	
British Columbia										
May ^r	782	2,780	3,562	931,961	78,005	206,209	51,064	335,278	1,267,239	
June ^p	704	3,054	3,758	986,763	48,345	181,860	75,648	305,853	1,292,616	
Cumulative Jan. to June 2017	4,607	15,272	19,879	5,302,617	284,595	1,097,570	435,338	1,817,503	7,120,120	
Cumulative Jan. to June 2016	4,473	13,593	18,066	4,927,996	249,906	1,186,865	378,031	1,814,802	6,742,798	

Table 5
Dwelling units, value of residential and non-residential building permits, provinces and territories, seasonally adjusted, 2017

	Number of dwelling units			Estimated value of construction						
	Singles ¹	Multiples	Total dwellings	Residential	Non-residential				Total	Total
					Industrial	Commercial	Institutional and governmental	Total		
units			thousands of dollars							
Yukon										
May ^r	13	18	31	4,705	0	3,363	0	3,363	8,068	
June ^p	10	13	23	3,529	2,795	936	172	3,903	7,432	
Cumulative Jan. to June 2017	74	83	157	23,197	4,445	9,512	1,269	15,226	38,423	
Cumulative Jan. to June 2016	96	48	144	20,744	28	3,630	41,141	44,799	65,543	
Northwest Territories										
May ^r	1	0	1	571	10	1,094	1,589	2,693	3,264	
June ^p	4	7	11	2,103	6,276	240	1,155	7,671	9,774	
Cumulative Jan. to June 2017	16	8	24	9,443	6,665	3,335	31,720	41,720	51,163	
Cumulative Jan. to June 2016	42	54	96	22,226	1,814	9,982	118,043	129,839	152,065	
Nunavut										
May ^r	0	2	2	501	0	0	0	0	501	
June ^p	1	0	1	600	0	120	20	140	740	
Cumulative Jan. to June 2017	1	2	3	1,112	0	771	20	791	1,903	
Cumulative Jan. to June 2016	2	14	16	6,662	28	255	25	308	6,970	

1. Included in this category are the following types of dwellings: single-detached, mobile home and cottage.

Table 6

Dwelling units, value of residential and non-residential building permits, census metropolitan areas, seasonally adjusted, 2017

	Number of dwelling units			Estimated value of construction						
	Singles ¹	Multiples	Total dwellings	Non-residential					Total	Total
				Residential	Industrial	Commercial	Institutional and			
							governmental			
	units							thousands of dollars		
Abbotsford-Mission, British Columbia										
May ^r	15	59	74	18,203	13,360	1,740	13,208	28,308	46,511	
June ^p	13	163	176	33,276	1,129	641	822	2,592	35,868	
Cumulative Jan. to June 2017	136	668	804	182,045	24,985	16,157	14,102	55,244	237,289	
Cumulative Jan. to June 2016	170	272	442	77,316	13,078	21,641	255	34,974	112,290	
Barrie, Ontario										
May ^r	31	18	49	18,573	5,611	5,373	129	11,113	29,686	
June ^p	60	176	236	62,920	3,519	7,135	18,451	29,105	92,025	
Cumulative Jan. to June 2017	322	598	920	236,791	10,492	42,537	47,166	100,195	336,986	
Cumulative Jan. to June 2016	325	256	581	168,636	27,009	29,881	11,524	68,414	237,050	
Belleville, Ontario										
May ^r	52	13	65	17,083	5,941	2,064	1,838	9,843	26,926	
June ^p	29	2	31	9,932	238	1,189	2,842	4,269	14,201	
Cumulative Jan. to June 2017	211	101	312	74,779	29,491	7,695	6,705	43,891	118,670	
Cumulative Jan. to June 2016	..	..	..	..	..	..	..	..	..
Brantford, Ontario										
May ^r	13	78	91	21,688	14,059	1,737	0	15,796	37,484	
June ^p	15	1	16	6,939	1,525	1,375	2,853	5,753	12,692	
Cumulative Jan. to June 2017	101	237	338	82,736	25,802	14,170	6,789	46,761	129,497	
Cumulative Jan. to June 2016	151	73	224	63,415	34,403	13,543	2,836	50,782	114,197	
Calgary, Alberta										
May ^r	382	451	833	275,448	10,677	101,059	40,650	152,386	427,834	
June ^p	402	548	950	279,855	7,960	76,509	20,841	105,310	385,165	
Cumulative Jan. to June 2017	2,261	2,104	4,365	1,407,443	128,600	538,787	149,131	816,518	2,223,961	
Cumulative Jan. to June 2016	1,672	2,914	4,586	1,420,513	38,841	651,643	225,846	916,330	2,336,843	
Edmonton, Alberta										
May ^r	439	432	871	260,734	8,852	51,532	26,764	87,148	347,882	
June ^p	358	531	889	235,632	8,703	96,880	41,602	147,185	382,817	
Cumulative Jan. to June 2017	2,389	3,816	6,205	1,620,560	97,374	476,268	324,780	898,422	2,518,982	
Cumulative Jan. to June 2016	2,002	3,790	5,792	1,511,909	129,488	980,485	272,481	1,382,454	2,894,363	
Greater Sudbury, Ontario										
May ^r	14	11	25	9,482	116	4,460	12,283	16,859	26,341	
June ^p	25	6	31	10,770	6,327	5,593	2,408	14,328	25,098	
Cumulative Jan. to June 2017	61	40	101	33,872	7,889	23,128	57,844	88,861	122,733	
Cumulative Jan. to June 2016	72	108	180	54,246	3,026	42,968	7,598	53,592	107,838	
Guelph, Ontario										
May ^r	29	34	63	24,999	2,009	3,820	16,103	21,932	46,931	
June ^p	11	67	78	23,185	605	3,614	3,348	7,567	30,752	
Cumulative Jan. to June 2017	133	514	647	163,168	7,204	27,890	38,235	73,329	236,497	
Cumulative Jan. to June 2016	130	603	733	132,440	11,318	46,962	15,321	73,601	206,041	
Halifax, Nova Scotia										
May ^r	69	100	169	36,103	276	20,000	2,035	22,311	58,414	
June ^p	64	224	288	58,053	3,020	24,558	2,747	30,325	88,378	
Cumulative Jan. to June 2017	355	914	1,269	275,223	10,961	125,161	37,605	173,727	448,950	
Cumulative Jan. to June 2016	331	775	1,106	206,194	1,719	53,008	25,257	79,984	286,178	
Hamilton, Ontario										
May ^r	72	227	299	126,435	72,990	22,993	46,168	142,151	268,586	
June ^p	44	176	220	68,578	860	29,142	8,835	38,837	107,415	
Cumulative Jan. to June 2017	364	1,789	2,153	657,182	95,133	127,810	153,528	376,471	1,033,653	
Cumulative Jan. to June 2016	481	1,236	1,717	533,560	10,504	110,857	83,207	204,568	738,128	
Kelowna, British Columbia										
May ^r	58	162	220	53,038	2,209	15,125	42	17,376	70,414	
June ^p	55	165	220	56,023	57	11,248	978	12,283	68,306	
Cumulative Jan. to June 2017	362	1,538	1,900	425,358	21,150	55,684	37,787	114,621	539,979	
Cumulative Jan. to June 2016	253	763	1,016	279,272	10,155	58,466	31,419	100,040	379,312	

Table 6**Dwelling units, value of residential and non-residential building permits, census metropolitan areas, seasonally adjusted, 2017**

	Number of dwelling units			Estimated value of construction					
	Singles ¹	Multiples	Total dwellings	Non-residential				Total	Total
				Residential	Industrial	Commercial	Institutional and governmental		
	units	units	units	Residential	Industrial	Commercial	governmental	thousands of dollars	thousands of dollars
Kingston, Ontario									
May ^r	35	49	84	17,702	1,252	2,154	1,987	5,393	23,095
June ^p	34	25	59	13,132	123	2,174	8,572	10,869	24,001
Cumulative Jan. to June 2017	147	441	588	93,310	6,888	31,939	84,663	123,490	216,800
Cumulative Jan. to June 2016	172	70	242	56,815	11,118	20,627	19,788	51,533	108,348
Kitchener-Cambridge-Waterloo, Ontario									
May ^r	35	217	252	42,996	15,641	17,604	16,903	50,148	93,144
June ^p	69	596	665	129,909	17,719	14,166	15,404	47,289	177,198
Cumulative Jan. to June 2017	469	1,287	1,756	386,318	103,085	130,856	76,967	310,908	697,226
Cumulative Jan. to June 2016	737	1,893	2,630	559,221	43,473	143,804	137,210	324,487	883,708
Lethbridge, Alberta									
May ^r	32	50	82	14,877	557	1,021	89,140	90,718	105,595
June ^p	40	20	60	10,617	4,642	1,505	2,765	8,912	19,529
Cumulative Jan. to June 2017	242	130	372	62,727	9,781	12,331	160,959	183,071	245,798
Cumulative Jan. to June 2016	..	..	..	..	..	..	..	..	..
London, Ontario									
May ^r	176	112	288	104,698	2,423	9,630	5,266	17,319	122,017
June ^p	138	93	231	80,027	1,060	28,189	3,603	32,852	112,879
Cumulative Jan. to June 2017	929	1,116	2,045	567,480	23,085	81,631	22,720	127,436	694,916
Cumulative Jan. to June 2016	658	1,309	1,967	523,000	23,005	96,091	132,753	251,849	774,849
Moncton, New Brunswick									
May ^r	26	7	33	9,364	2,069	8,614	51,253	61,936	71,300
June ^p	25	0	25	8,604	39	2,877	203	3,119	11,723
Cumulative Jan. to June 2017	145	389	534	83,687	15,882	49,811	55,505	121,198	204,885
Cumulative Jan. to June 2016	147	158	310	69,687	14,535	112,439	18,869	145,843	215,530
Montréal, Quebec									
May ^r	226	1,520	1,746	398,048	32,336	126,787	65,288	224,411	622,459
June ^p	218	2,185	2,403	435,495	95,795	193,662	100,045	389,502	824,997
Cumulative Jan. to June 2017	1,433	10,017	11,450	2,438,148	267,176	855,103	599,582	1,721,861	4,160,009
Cumulative Jan. to June 2016	1,434	7,910	9,344	2,054,261	170,772	924,430	436,435	1,531,637	3,585,898
Oshawa, Ontario									
May ^r	87	75	162	63,330	1,158	7,586	9,745	18,489	81,819
June ^p	50	205	255	69,468	1,077	7,278	5,508	13,863	83,331
Cumulative Jan. to June 2017	545	1,124	1,669	485,910	8,225	49,706	31,275	89,206	575,116
Cumulative Jan. to June 2016	609	844	1,453	420,639	20,269	42,467	42,399	105,135	525,774
Ottawa-Gatineau, Ontario part, Ontario/Quebec									
May ^r	257	446	703	222,743	2,209	112,723	22,538	137,470	360,213
June ^p	125	454	579	145,164	1,183	86,487	31,271	118,941	264,105
Cumulative Jan. to June 2017	972	2,616	3,588	895,379	13,031	351,262	106,508	470,801	1,366,180
Cumulative Jan. to June 2016	956	2,245	3,201	744,594	80,631	390,009	103,553	574,193	1,318,787
Ottawa-Gatineau, Quebec part, Ontario/Quebec									
May ^r	27	158	185	32,880	672	2,988	376	4,036	36,916
June ^p	43	81	124	28,950	48	5,895	2,957	8,900	37,850
Cumulative Jan. to June 2017	160	1,059	1,219	235,003	13,335	48,776	14,252	76,363	311,366
Cumulative Jan. to June 2016	167	1,055	1,222	186,572	3,972	25,097	18,795	47,864	234,436
Peterborough, Ontario									
May ^r	26	9	35	12,603	15	864	431	1,310	13,913
June ^p	21	8	29	9,878	537	870	2,039	3,446	13,324
Cumulative Jan. to June 2017	131	31	162	54,824	1,485	7,290	3,192	11,967	66,791
Cumulative Jan. to June 2016	146	107	253	56,950	2,146	8,737	2,613	13,496	70,446
Québec, Quebec									
May ^r	55	855	910	134,742	18,446	58,656	15,656	92,758	227,500
June ^p	69	794	863	130,294	7,300	33,800	24,349	65,449	195,743
Cumulative Jan. to June 2017	435	3,679	4,114	615,255	40,939	183,446	56,341	280,726	895,981
Cumulative Jan. to June 2016	406	2,206	2,612	468,560	39,670	148,541	73,530	261,741	730,301

Table 6**Dwelling units, value of residential and non-residential building permits, census metropolitan areas, seasonally adjusted, 2017**

	Number of dwelling units			Estimated value of construction						
	Singles¹	Multiples	Total dwellings	Residential	Industrial	Non-residential			Total	Total
						Commercial	Institutional and governmental	Total		
units			thousands of dollars							
Regina, Saskatchewan										
May ^r	47	85	132	26,246	3,212	12,511	11,215	26,938	53,184	
June ^p	71	135	206	42,878	2,354	40,296	400	43,050	85,928	
Cumulative Jan. to June 2017	333	577	910	175,659	16,030	102,511	60,928	179,469	355,128	
Cumulative Jan. to June 2016	321	442	763	144,018	10,750	71,824	117,561	200,135	344,153	
Saguenay, Quebec										
May ^r	26	9	35	11,626	1,154	3,921	3,409	8,484	20,110	
June ^p	31	15	46	11,801	992	2,514	3,056	6,562	18,363	
Cumulative Jan. to June 2017	123	106	229	57,121	6,398	9,388	11,769	27,555	84,676	
Cumulative Jan. to June 2016	138	125	263	63,589	17,138	31,341	19,669	68,148	131,737	
Saint John, New Brunswick										
May ^r	21	1	22	5,616	1,412	32,209	1,198	34,819	40,435	
June ^p	22	0	22	5,921	422	2,431	518	3,371	9,292	
Cumulative Jan. to June 2017	129	21	150	37,399	17,902	74,634	11,836	104,372	141,771	
Cumulative Jan. to June 2016	102	44	141	34,647	3,586	19,233	15,666	38,485	73,132	
Saskatoon, Saskatchewan										
May ^r	112	145	257	56,725	4,371	20,378	2,500	27,249	83,974	
June ^p	94	139	233	49,159	2,849	15,076	6,868	24,793	73,952	
Cumulative Jan. to June 2017	576	644	1,220	290,745	15,025	124,956	27,599	167,580	458,325	
Cumulative Jan. to June 2016	513	494	1,007	235,586	17,219	112,411	89,854	219,484	455,070	
Sherbrooke, Quebec										
May ^r	34	29	63	15,351	11,291	2,898	16,468	30,657	46,008	
June ^p	16	46	62	12,058	315	6,357	2,448	9,120	21,178	
Cumulative Jan. to June 2017	148	407	555	103,091	28,044	35,038	52,364	115,446	218,537	
Cumulative Jan. to June 2016	194	377	571	122,585	15,555	40,001	19,093	74,649	197,234	
St. Catharines-Niagara, Ontario										
May ^r	89	77	166	53,481	3,302	8,479	1,802	13,583	67,064	
June ^p	76	123	199	49,459	2,736	18,797	6,027	27,560	77,019	
Cumulative Jan. to June 2017	635	636	1,271	337,681	17,562	62,230	28,949	108,741	446,422	
Cumulative Jan. to June 2016	749	565	1,314	356,025	12,221	49,052	18,967	80,240	436,265	
St. John's, Newfoundland and Labrador										
May ^r	31	46	77	17,364	1,068	34,233	800	36,101	53,465	
June ^p	41	40	81	17,037	38	6,671	0	6,709	23,746	
Cumulative Jan. to June 2017	223	123	346	97,319	2,896	66,715	3,378	72,989	170,308	
Cumulative Jan. to June 2016	255	212	467	118,517	2,052	49,810	15,817	67,679	186,196	
Thunder Bay, Ontario										
May ^r	20	22	42	8,542	509	875	4,906	6,290	14,832	
June ^p	13	21	34	6,548	68	4,087	581	4,736	11,284	
Cumulative Jan. to June 2017	57	108	165	27,813	841	18,965	30,481	50,287	78,100	
Cumulative Jan. to June 2016	71	47	118	24,764	1,484	10,756	3,555	15,795	40,559	
Toronto, Ontario										
May ^r	643	2,820	3,463	1,103,856	71,743	344,074	82,475	498,292	1,602,148	
June ^p	548	2,874	3,422	1,014,397	153,825	432,512	208,253	794,590	1,808,987	
Cumulative Jan. to June 2017	5,362	14,437	19,799	6,201,130	507,066	2,234,355	758,410	3,499,831	9,700,961	
Cumulative Jan. to June 2016	5,241	10,684	15,925	5,287,540	432,310	1,713,310	653,807	2,799,427	8,086,967	
Trois-Rivières, Quebec										
May ^r	18	28	46	14,587	904	3,885	5,046	9,835	24,422	
June ^p	18	48	66	15,727	1,406	6,483	1,646	9,535	25,262	
Cumulative Jan. to June 2017	93	221	314	77,079	7,570	24,856	13,878	46,304	123,383	
Cumulative Jan. to June 2016	112	224	336	85,556	15,834	28,449	9,941	54,224	139,780	
Vancouver, British Columbia										
May ^r	252	2,118	2,370	584,687	12,834	111,857	15,024	139,715	724,402	
June ^p	213	2,056	2,269	591,226	37,452	122,767	32,881	193,100	784,326	
Cumulative Jan. to June 2017	1,422	10,148	11,570	3,037,473	122,323	718,048	250,268	1,090,639	4,128,112	
Cumulative Jan. to June 2016	1,780	9,654	11,434	3,175,157	79,502	806,005	228,263	1,113,770	4,288,927	

Table 6**Dwelling units, value of residential and non-residential building permits, census metropolitan areas, seasonally adjusted, 2017**

	Number of dwelling units			Estimated value of construction						
	Singles¹	Multiples	Total dwellings	Non-residential					Total	Total
				Residential	Industrial	Commercial	Institutional and governmental	Total		
	units			thousands of dollars						
Victoria, British Columbia										
May ^r	53	189	242	73,352	2,432	40,106	13,428	55,966	129,318	
June ^p	51	304	355	99,292	1,675	11,547	11,902	25,124	124,416	
Cumulative Jan. to June 2017	332	1,121	1,453	450,199	19,207	103,926	43,453	166,586	616,785	
Cumulative Jan. to June 2016	365	996	1,361	383,679	35,982	106,618	15,536	158,136	541,815	
Windsor, Ontario										
May ^r	72	35	107	40,296	1,775	6,291	10,607	18,673	58,969	
June ^p	57	32	89	36,822	4,653	2,995	2,036	9,684	46,506	
Cumulative Jan. to June 2017	494	230	724	240,456	22,374	27,631	50,440	100,445	340,901	
Cumulative Jan. to June 2016	456	253	709	226,415	27,229	21,920	8,762	57,911	284,326	
Winnipeg, Manitoba										
May ^r	247	261	508	118,532	1,951	34,131	11,309	47,391	165,923	
June ^p	188	230	418	137,495	3,567	98,506	16,000	118,073	255,568	
Cumulative Jan. to June 2017	1,254	2,131	3,385	735,397	22,691	331,768	70,514	424,973	1,160,370	
Cumulative Jan. to June 2016	877	1,203	2,080	476,672	78,211	358,789	122,179	559,179	1,035,851	

1. Included in this category are the following types of dwellings: single-detached, mobile home and cottage.

Table 7
Dwelling units, provinces and territories, unadjusted, 2017

	Singles, includes mobile homes	Cottages	Doubles	Rows	Apartments	Conversions	Total dwellings
number of dwelling units							
Canada							
May ^r	8,088	46	913	3,203	8,033	1,479	21,762
June ^p	7,302	66	890	3,609	10,524	1,250	23,641
Cumulative Jan. to June 2017	35,946	165	4,702	15,002	45,363	6,117	107,295
Cumulative Jan. to June 2016	34,391	200	4,339	10,935	37,691	4,457	92,013
Newfoundland and Labrador							
May ^r	139	0	4	17	33	5	198
June ^p	121	2	15	13	37	3	191
Cumulative Jan. to June 2017	370	3	25	36	94	20	548
Cumulative Jan. to June 2016	457	2	14	8	239	27	747
Prince Edward Island							
May ^r	66	0	16	5	88	0	175
June ^p	73	6	14	10	10	0	113
Cumulative Jan. to June 2017	259	12	34	29	160	8	502
Cumulative Jan. to June 2016	191	10	12	57	58	3	331
Nova Scotia							
May ^r	228	8	12	4	110	65	427
June ^p	233	12	40	8	293	13	599
Cumulative Jan. to June 2017	867	32	75	17	1,214	97	2,302
Cumulative Jan. to June 2016	832	30	43	28	1,142	40	2,115
New Brunswick							
May ^r	179	2	24	18	39	4	266
June ^p	176	6	18	10	52	0	262
Cumulative Jan. to June 2017	513	11	88	40	381	14	1,047
Cumulative Jan. to June 2016	593	13	54	58	195	112	1,025
Quebec							
May ^r	1,186	16	202	162	2,416	244	4,226
June ^p	1,159	20	183	166	3,560	616	5,704
Cumulative Jan. to June 2017	5,232	45	1,310	825	13,566	1,866	22,844
Cumulative Jan. to June 2016	5,627	41	1,204	726	10,919	1,394	19,911
Ontario							
May ^r	3,225	17	244	1,920	2,218	836	8,460
June ^p	2,749	13	174	2,657	2,667	347	8,607
Cumulative Jan. to June 2017	14,740	48	1,290	10,097	12,568	2,251	40,994
Cumulative Jan. to June 2016	14,569	89	1,297	6,068	10,893	1,439	34,355
Manitoba							
May ^r	427	1	52	31	181	70	762
June ^p	350	3	54	37	282	6	732
Cumulative Jan. to June 2017	1,813	5	239	233	1,741	171	4,202
Cumulative Jan. to June 2016	1,454	4	93	298	861	44	2,754
Saskatchewan							
May ^r	274	0	44	95	98	37	548
June ^p	277	1	26	131	261	48	744
Cumulative Jan. to June 2017	1,224	1	148	389	587	276	2,625
Cumulative Jan. to June 2016	1,121	0	118	107	645	189	2,180
Alberta							
May ^r	1,391	1	279	167	489	54	2,381
June ^p	1,264	3	316	209	584	55	2,431
Cumulative Jan. to June 2017	6,273	4	1,289	1,014	3,231	550	12,361
Cumulative Jan. to June 2016	4,952	6	1,184	1,121	3,186	390	10,839
British Columbia							
May ^r	945	0	34	784	2,350	157	4,270
June ^p	877	0	50	364	2,766	158	4,215
Cumulative Jan. to June 2017	4,577	0	202	2,288	11,786	842	19,695
Cumulative Jan. to June 2016	4,464	5	318	2,463	9,461	798	17,509

Table 7
Dwelling units, provinces and territories, unadjusted, 2017

	Singles, includes mobile homes	Cottages	Doubles	Rows	Apartments	Conversions	Total dwellings
	number of dwelling units						
Yukon							
May ^r	27	1	0	0	11	7	46
June ^p	18	0	0	4	6	3	31
Cumulative Jan. to June 2017	61	4	0	34	29	20	148
Cumulative Jan. to June 2016	87	0	2	1	24	21	135
Northwest Territories							
May ^r	1	0	0	0	0	0	1
June ^p	4	0	0	0	6	1	11
Cumulative Jan. to June 2017	16	0	0	0	6	2	24
Cumulative Jan. to June 2016	42	0	0	0	54	0	96
Nunavut							
May ^r	0	0	2	0	0	0	2
June ^p	1	0	0	0	0	0	1
Cumulative Jan. to June 2017	1	0	2	0	0	0	3
Cumulative Jan. to June 2016	2	0	0	0	14	0	16

Table 8
Dwelling units, census metropolitan areas, unadjusted, June 2017

	Singles, includes mobile homes	Cottages	Doubles	Rows	Apartments	Conversions	Total dwellings
	number of dwelling units						
Abbotsford-Mission, British Columbia	15	0	0	0	168	3	186
Barrie, Ontario	79	0	0	0	180	17	276
Belleville, Ontario	38	0	0	0	2	0	40
Brantford, Ontario	20	0	0	0	0	1	21
Calgary, Alberta	459	0	106	50	362	7	984
Edmonton, Alberta	408	0	186	128	160	34	916
Greater Sudbury, Ontario	33	0	0	0	2	5	40
Guelph, Ontario	14	0	12	42	0	21	89
Halifax, Nova Scotia	94	0	20	8	273	10	405
Hamilton, Ontario	57	0	4	143	0	50	254
Kelowna, British Columbia	63	0	0	19	141	13	236
Kingston, Ontario	44	1	0	15	4	9	73
Kitchener-Cambridge-Waterloo, Ontario	90	0	3	30	620	13	756
Lethbridge, Alberta	46	0	0	5	11	3	65
London, Ontario	181	0	0	104	0	0	285
Moncton, New Brunswick	45	0	10	0	3	0	58
Montréal, Quebec	286	0	52	132	2,054	526	3,050
Oshawa, Ontario	66	0	0	102	115	12	295
Ottawa-Gatineau, Ontario/Quebec	219	0	36	403	133	39	830
Ottawa-Gatineau, Ontario part, Ontario/Quebec	163	0	14	390	77	27	671
Ottawa-Gatineau, Quebec part, Ontario/Quebec	56	0	22	13	56	12	159
Peterborough, Ontario	28	0	4	0	0	5	37
Québec, Quebec	90	0	30	17	938	19	1,094
Regina, Saskatchewan	89	0	8	97	106	8	308
Saguenay, Quebec	40	1	3	0	7	9	60
Saint John, New Brunswick	40	0	4	0	0	0	44
Saskatoon, Saskatchewan	118	0	16	34	145	30	343
Sherbrooke, Quebec	21	0	18	0	37	3	79
St. Catharines-Niagara, Ontario	99	0	2	36	87	12	236
St. John's, Newfoundland and Labrador	64	0	7	3	27	3	104
Thunder Bay, Ontario	17	0	0	0	2	21	40
Toronto, Ontario	716	0	61	1,624	1,408	120	3,929
Trois-Rivières, Quebec	23	0	4	0	54	3	84
Vancouver, British Columbia	243	0	20	295	1,774	63	2,395
Victoria, British Columbia	59	0	18	21	255	24	377
Windsor, Ontario	74	0	23	11	2	0	110
Winnipeg, Manitoba	209	0	50	37	192	0	488

Table 9
Dwelling units, census metropolitan areas, unadjusted, cumulative, January to June 2017

	Singles, includes mobile homes	Cottages	Doubles	Rows	Apartments	Conversions	Total dwellings
	number of dwelling units						
Abbotsford-Mission, British Columbia	134	0	0	73	539	6	752
Barrie, Ontario	336	0	0	243	280	66	925
Belleville, Ontario	214	0	14	29	35	1	293
Brantford, Ontario	101	0	2	161	57	5	326
Calgary, Alberta	2,239	0	444	326	1,100	25	4,134
Edmonton, Alberta	2,366	0	754	592	1,741	447	5,900
Greater Sudbury, Ontario	71	0	0	0	20	19	110
Guelph, Ontario	125	0	45	79	245	106	600
Halifax, Nova Scotia	381	0	30	13	1,015	75	1,514
Hamilton, Ontario	349	0	70	527	930	119	1,995
Kelowna, British Columbia	361	0	4	145	1,243	85	1,838
Kingston, Ontario	153	1	8	63	224	29	478
Kitchener-Cambridge-Waterloo, Ontario	417	0	11	239	997	112	1,776
Lethbridge, Alberta	236	0	12	15	72	16	351
London, Ontario	904	0	12	462	498	34	1,910
Moncton, New Brunswick	143	0	70	8	238	1	460
Montréal, Quebec	1,552	0	364	582	7,500	1,225	11,223
Oshawa, Ontario	493	0	27	427	626	105	1,678
Ottawa-Gatineau, Ontario/Quebec	1,160	0	183	1,129	1,868	204	4,544
Ottawa-Gatineau, Ontario part, Ontario/Quebec	985	0	93	1,104	1,075	133	3,390
Ottawa-Gatineau, Quebec part, Ontario/Quebec	175	0	90	25	793	71	1,154
Peterborough, Ontario	127	0	12	11	1	6	157
Québec, Quebec	454	1	218	85	3,201	163	4,122
Regina, Saskatchewan	351	0	72	212	244	92	971
Saguenay, Quebec	139	3	7	0	53	42	244
Saint John, New Brunswick	116	1	4	0	10	4	135
Saskatoon, Saskatchewan	603	0	66	164	324	130	1,287
Sherbrooke, Quebec	169	0	127	50	168	31	545
St. Catharines-Niagara, Ontario	594	0	44	384	92	60	1,174
St. John's, Newfoundland and Labrador	182	0	11	26	72	14	305
Thunder Bay, Ontario	61	0	8	0	54	36	159
Toronto, Ontario	4,857	1	555	5,688	6,941	1,126	19,168
Trois-Rivières, Quebec	109	0	41	0	155	31	336
Vancouver, British Columbia	1,427	0	96	1,561	8,100	359	11,543
Victoria, British Columbia	330	0	30	187	794	99	1,440
Windsor, Ontario	463	0	106	86	14	18	687
Winnipeg, Manitoba	1,281	0	219	231	1,403	148	3,282

Table 10**Value of residential and non-residential building permits, provinces and territories, unadjusted, 2017**

	Value of construction				
	Non-residential				Total
	Residential	Industrial	Commercial	Institutional and governmental	
Canada					
May ^r	6,336,204	662,223	1,677,627	939,380	9,615,434
June ^p	6,412,285	870,606	2,196,741	1,106,365	10,585,997
Cumulative Jan. to June 2017	28,897,468	2,991,333	8,692,674	4,753,294	45,334,769
Cumulative Jan. to June 2016	24,798,828	2,325,967	8,328,247	4,208,500	39,661,542
Newfoundland and Labrador					
May ^r	56,360	1,851	37,643	800	96,654
June ^p	49,873	10,565	10,983	17	71,438
Cumulative Jan. to June 2017	151,914	19,799	78,510	3,434	253,657
Cumulative Jan. to June 2016	189,834	4,864	71,845	18,411	284,954
Prince Edward Island					
May ^r	32,218	4,645	18,898	9,208	64,969
June ^p	19,911	2,413	4,325	1,062	27,711
Cumulative Jan. to June 2017	87,604	8,340	33,509	18,007	147,460
Cumulative Jan. to June 2016	63,933	13,671	16,157	7,461	101,222
Nova Scotia					
May ^r	98,389	3,589	25,959	3,128	131,065
June ^p	127,311	8,782	41,916	3,126	181,135
Cumulative Jan. to June 2017	511,894	33,680	174,581	54,611	774,766
Cumulative Jan. to June 2016	415,266	28,523	86,268	45,153	575,210
New Brunswick					
May ^r	56,755	5,732	92,964	54,538	209,989
June ^p	58,840	4,196	27,651	12,678	103,365
Cumulative Jan. to June 2017	206,281	53,220	233,099	90,638	583,238
Cumulative Jan. to June 2016	213,350	22,014	195,490	60,836	491,690
Quebec					
May ^r	1,064,399	129,186	348,814	177,940	1,720,339
June ^p	1,218,833	272,515	450,049	262,400	2,203,797
Cumulative Jan. to June 2017	4,915,836	698,571	1,559,640	956,902	8,130,949
Cumulative Jan. to June 2016	4,392,281	520,997	1,447,021	732,648	7,092,947
Ontario					
May ^r	2,714,465	376,298	582,893	340,593	4,014,249
June ^p	2,564,344	418,790	898,147	480,272	4,361,553
Cumulative Jan. to June 2017	12,262,266	1,377,621	3,386,166	2,010,430	19,036,483
Cumulative Jan. to June 2016	10,447,497	1,100,002	2,798,592	1,397,732	15,743,823
Manitoba					
May ^r	184,628	13,626	37,859	27,311	263,424
June ^p	267,385	14,063	163,528	32,497	477,473
Cumulative Jan. to June 2017	990,705	73,034	443,385	107,678	1,614,802
Cumulative Jan. to June 2016	669,308	105,547	409,946	182,165	1,366,966
Saskatchewan					
May ^r	134,712	17,604	53,676	15,560	221,552
June ^p	174,173	8,975	103,047	25,746	311,941
Cumulative Jan. to June 2017	614,521	89,643	306,011	108,593	1,118,768
Cumulative Jan. to June 2016	509,877	33,048	224,129	269,252	1,036,306
Alberta					
May ^r	854,200	37,185	259,989	264,581	1,415,955
June ^p	803,459	33,587	285,354	138,869	1,261,269
Cumulative Jan. to June 2017	3,880,268	325,752	1,337,018	855,034	6,398,072
Cumulative Jan. to June 2016	3,053,833	254,798	1,868,647	983,364	6,160,642
British Columbia					
May ^r	1,131,264	72,497	214,475	44,132	1,462,368
June ^p	1,118,924	87,649	210,445	148,351	1,565,369
Cumulative Jan. to June 2017	5,244,127	300,563	1,127,137	514,958	7,186,785
Cumulative Jan. to June 2016	4,795,151	240,633	1,196,285	352,269	6,584,338

Table 10**Value of residential and non-residential building permits, provinces and territories, unadjusted, 2017**

	Value of construction					Total
	Non-residential					
	Residential	Industrial	Commercial	Institutional and governmental		
thousands of dollars						
Yukon						
May ^r	7,660	0	3,363	0	11,023	
June ^p	4,958	2,795	936	172	8,861	
Cumulative Jan. to June 2017	23,041	4,445	9,512	1,269	38,267	
Cumulative Jan. to June 2016	19,497	28	3,630	41,141	64,296	
Northwest Territories						
May ^r	653	10	1,094	1,589	3,346	
June ^p	3,674	6,276	240	1,155	11,345	
Cumulative Jan. to June 2017	7,899	6,665	3,335	31,720	49,619	
Cumulative Jan. to June 2016	22,339	1,814	9,982	118,043	152,178	
Nunavut						
May ^r	501	0	0	0	501	
June ^p	600	0	120	20	740	
Cumulative Jan. to June 2017	1,112	0	771	20	1,903	
Cumulative Jan. to June 2016	6,662	28	255	25	6,970	

Table 11**Value of residential and non-residential building permits, census metropolitan areas, unadjusted, June 2017**

	Value of construction				Total
	Non-residential				
	Residential	Industrial	Commercial	Institutional and governmental	
	thousands of dollars				
Abbotsford-Mission, British Columbia	35,135	2,145	751	1,225	39,256
Barrie, Ontario	75,383	5,145	9,178	22,800	112,506
Belleville, Ontario	12,804	348	1,529	3,512	18,193
Brantford, Ontario	8,999	2,230	1,768	3,525	16,522
Calgary, Alberta	303,537	6,386	91,734	26,724	428,381
Edmonton, Alberta	257,432	6,982	116,159	53,345	433,918
Greater Sudbury, Ontario	13,675	9,251	7,194	2,976	33,096
Guelph, Ontario	27,950	885	4,649	4,137	37,621
Halifax, Nova Scotia	84,194	3,020	29,456	2,747	119,417
Hamilton, Ontario	83,677	1,258	37,484	10,917	133,336
Kelowna, British Columbia	60,888	108	13,173	1,458	75,627
Kingston, Ontario	16,452	180	2,796	10,592	30,020
Kitchener-Cambridge-Waterloo, Ontario	152,940	25,907	18,221	19,034	216,102
Lethbridge, Alberta	11,813	3,724	1,805	3,545	20,887
London, Ontario	100,141	1,550	36,259	4,452	142,402
Moncton, New Brunswick	15,385	142	3,214	203	18,944
Montréal, Quebec	613,654	199,501	286,153	157,442	1,256,750
Oshawa, Ontario	83,357	1,575	9,361	6,806	101,099
Ottawa-Gatineau, Ontario/Quebec	215,083	1,831	119,956	43,295	380,165
Ottawa-Gatineau, Ontario part, Ontario/Quebec	174,353	1,730	111,246	38,641	325,970
Ottawa-Gatineau, Quebec part, Ontario/Quebec	40,730	101	8,710	4,654	54,195
Peterborough, Ontario	12,616	785	1,119	2,519	17,039
Québec, Quebec	183,647	15,202	49,942	38,318	287,109
Regina, Saskatchewan	69,623	2,584	50,139	919	123,265
Saguenay, Quebec	16,586	2,066	3,715	4,810	27,177
Saint John, New Brunswick	10,448	1,540	2,715	518	15,221
Saskatoon, Saskatchewan	75,233	3,127	18,758	15,777	112,895
Sherbrooke, Quebec	16,965	655	9,393	3,852	30,865
St. Catharines-Niagara, Ontario	62,223	4,000	24,178	7,448	97,849
St. John's, Newfoundland and Labrador	25,839	38	6,671	0	32,548
Thunder Bay, Ontario	8,165	100	5,257	718	14,240
Toronto, Ontario	1,213,931	224,906	556,326	257,337	2,252,500
Trois-Rivières, Quebec	22,127	2,928	9,579	2,591	37,225
Vancouver, British Columbia	628,338	71,172	143,780	49,004	892,294
Victoria, British Columbia	106,043	3,183	13,523	17,738	140,487
Windsor, Ontario	46,459	6,803	3,853	2,516	59,631
Winnipeg, Manitoba	208,515	3,567	151,545	28,585	392,212

Table 12**Value of residential and non-residential building permits, census metropolitan areas, unadjusted, cumulative, January to June 2017**

	Value of construction				
	Non-residential				Total
	Residential	Industrial	Commercial	Institutional and governmental	
	thousands of dollars				
Abbotsford-Mission, British Columbia	170,141	24,780	16,344	14,040	225,305
Barrie, Ontario	242,886	13,937	39,396	46,151	342,370
Belleville, Ontario	73,404	26,395	7,609	7,477	114,885
Brantford, Ontario	82,574	29,128	12,931	7,038	131,671
Calgary, Alberta	1,327,699	142,462	521,357	172,984	2,164,502
Edmonton, Alberta	1,515,740	73,079	467,089	316,171	2,372,079
Greater Sudbury, Ontario	36,727	10,515	22,341	57,069	126,652
Guelph, Ontario	156,868	7,255	24,624	41,396	230,143
Halifax, Nova Scotia	334,100	10,961	130,917	37,605	513,583
Hamilton, Ontario	633,760	118,161	130,666	165,695	1,048,282
Kelowna, British Columbia	411,669	15,651	59,213	31,328	517,861
Kingston, Ontario	84,169	6,306	29,803	81,853	202,131
Kitchener-Cambridge-Waterloo, Ontario	387,921	107,394	119,691	99,947	714,953
Lethbridge, Alberta	60,153	6,694	11,991	165,065	243,903
London, Ontario	555,061	20,520	83,491	21,735	680,807
Moncton, New Brunswick	75,566	20,894	58,180	55,505	210,145
Montréal, Quebec	2,470,477	319,022	926,595	597,136	4,313,230
Oshawa, Ontario	476,239	7,980	47,023	32,346	563,588
Ottawa-Gatineau, Ontario/Quebec	1,113,627	22,952	395,929	132,756	1,665,264
Ottawa-Gatineau, Ontario part, Ontario/Quebec	890,317	12,497	350,245	120,728	1,373,787
Ottawa-Gatineau, Quebec part, Ontario/Quebec	223,310	10,455	45,684	12,028	291,477
Peterborough, Ontario	54,834	1,517	6,633	3,646	66,630
Québec, Quebec	639,884	44,827	212,535	71,947	969,193
Regina, Saskatchewan	194,177	16,077	103,156	53,995	367,405
Saguenay, Quebec	63,192	5,480	11,694	12,781	93,147
Saint John, New Brunswick	32,918	17,692	104,852	11,836	167,298
Saskatoon, Saskatchewan	307,682	19,045	111,775	36,367	474,869
Sherbrooke, Quebec	106,695	24,196	33,888	50,867	215,646
St. Catharines-Niagara, Ontario	326,605	17,922	61,771	44,038	450,336
St. John's, Newfoundland and Labrador	83,316	2,896	66,715	3,378	156,305
Thunder Bay, Ontario	28,711	998	18,830	24,578	73,117
Toronto, Ontario	6,055,273	549,102	2,159,373	992,375	9,756,123
Trois-Rivières, Quebec	85,216	7,228	27,228	14,838	134,510
Vancouver, British Columbia	3,014,772	144,390	743,597	298,851	4,201,610
Victoria, British Columbia	444,215	21,008	106,392	44,766	616,381
Windsor, Ontario	239,043	21,880	25,385	48,555	334,863
Winnipeg, Manitoba	765,728	22,691	389,232	80,955	1,258,606

Table 13

Value of non-residential building permits, by type of building, provinces and territories, unadjusted, June 2017

	Canada	Newfoundland and Labrador	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
	thousands of dollars						
Total non-residential	4,173,712	21,565	7,800	53,824	44,525	984,964	1,797,209
Industrial	870,606	10,565	2,413	8,782	4,196	272,515	418,790
Factories, plants	425,184	9,991	2,000	2,872	700	192,559	146,405
Transportation, utilities	203,645	0	0	784	560	12,795	142,862
Mining and agriculture	154,331	400	0	3,600	1,322	48,304	87,572
Minor industrial projects, new and improvements ¹	87,446	174	413	1,526	1,614	18,857	41,951
Commercial	2,196,741	10,983	4,325	41,916	27,651	450,049	898,147
Trade and services	472,626	1,300	0	10,870	9,226	186,047	125,782
Warehouses	244,663	1,900	1,700	3,553	1,050	13,225	149,641
Service stations	23,969	1,500	0	0	0	9,349	3,244
Office buildings	660,667	3,425	1,000	14,678	600	96,089	292,868
Recreation	229,888	0	0	0	777	84,316	51,696
Hotels, restaurants	285,179	0	1,000	7,320	10,960	17,034	202,800
Laboratories	84,549	0	0	0	0	7,496	1,163
Minor commercial projects, new and improvements ¹	195,200	2,858	625	5,495	5,038	36,493	70,953
Institutional and governmental	1,106,365	17	1,062	3,126	12,678	262,400	480,272
Schools, education	546,347	0	0	2,200	5,118	110,397	275,080
Hospitals, medical	232,182	0	350	0	1,475	57,520	70,708
Welfare, home	177,611	0	0	0	3,850	62,148	71,655
Churches, religion	33,251	0	490	400	0	1,859	12,296
Government buildings	53,810	0	0	0	0	8,980	27,285
Minor institutional and governmental projects, new and improvements ¹	63,164	17	222	526	2,235	21,496	23,248

	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Northwest Territories	Nunavut
	thousands of dollars						
Total non-residential	210,088	137,768	457,810	446,445	3,903	7,671	140
Industrial	14,063	8,975	33,587	87,649	2,795	6,276	0
Factories, plants	7,360	3,197	11,051	43,078	0	5,971	0
Transportation, utilities	878	0	13,918	29,777	2,071	0	0
Mining and agriculture	2,190	3,325	0	7,618	0	0	0
Minor industrial projects, new and improvements ¹	3,635	2,453	8,618	7,176	724	305	0
Commercial	163,528	103,047	285,354	210,445	936	240	120
Trade and services	9,743	23,579	76,455	29,624	0	0	0
Warehouses	1,450	11,850	42,909	17,385	0	0	0
Service stations	864	1,330	1,184	6,498	0	0	0
Office buildings	126,344	34,974	36,952	53,737	0	0	0
Recreation	6,543	9,640	59,391	16,825	700	0	0
Hotels, restaurants	11,517	15,993	6,507	12,048	0	0	0
Laboratories	0	0	30,026	45,864	0	0	0
Minor commercial projects, new and improvements ¹	7,067	5,681	31,930	28,464	236	240	120
Institutional and governmental	32,497	25,746	138,869	148,351	172	1,155	20
Schools, education	28,300	1,070	77,166	47,016	0	0	0
Hospitals, medical	0	10,324	360	91,445	0	0	0
Welfare, home	1,300	0	36,368	2,290	0	0	0
Churches, religion	965	0	14,290	2,188	0	763	0
Government buildings	0	12,929	2,800	1,437	0	379	0
Minor institutional and governmental projects, new and improvements ¹	1,932	1,423	7,885	3,975	172	13	20

1. Refer to projects valued at less than \$250,000 for which the breakdown by type of building is not available.

Data quality, concepts and methodology

Description – Monthly survey of building permits

The following information should be used to ensure a clear understanding of the basic concepts that define the data provided in this product, of the underlying methodology of the survey, and of key aspects of the data quality. This information will provide you with a better understanding of the strengths and limitations of the data, and of how they can be effectively used and analysed. The information may be of particular importance to you when making comparisons with data from other surveys or sources of information, and in drawing conclusions regarding change over time.

Data source and methodology

The purpose of the **Monthly Survey of Building Permits** issued by Canadian municipalities is to collect data on construction intentions. The results of this survey are used by the Canada Mortgage and Housing Corporation (CMHC) as a reference base for conducting a monthly survey of housing starts and completions in accordance with its mandate. The statistics on building permits are also essential for the computation of capital expenditures. Furthermore, since the issuance of a building permit is one of the first steps in the construction process, these statistics are widely used as a leading indicator of building activity.

General methodology: The Building Permits Survey covers all Canadian municipalities that issue permits. The number of Canadian municipalities currently surveyed approximately 2,400, representing all the provinces and territories. They account for 95% of the Canadian population. Participation in the survey is mandatory; the survey does not use a predetermined sample of municipalities. The communities representing the other 5% of the population are very small, and their level of building activity have little impact on the total. In practice, all urban agglomerations are represented in the survey, as well as a fair percentage of rural municipalities. With certain exceptions, the minimum coverage corresponds to the municipalities already included in the CMHC Housing Starts and Completions Survey. Non-responding municipalities that issue permits are urged on a regular basis to respond to the Building Permit Survey. Therefore, the number of municipalities covered is increasing continually.

The survey is usually conducted by mail, although certain municipalities choose to respond by telephone. The municipal officer responsible for issuing permits is asked to fill out a form each month describing all major construction projects.

The municipalities forward a copy of their completed report to Statistics Canada's Head Office and another copy to the local office of the CMHC. To reduce their overhead, an increasing number of respondents are producing a computerized report. Only those municipalities that are late in reporting and that are included in the above-mentioned CMHC survey are subject to follow-up by telephone.

The reports received at Statistics Canada's Head Office are verified, coded and processed.

Strict quality control procedures are applied to ensure that collection, coding and data processing are as accurate as possible. Checks are also performed on totals and the magnitude of data. Reports that fail to meet the quality standards are subject to verification and are corrected as required.

Imputations are required for each characteristic for which no report has been received. These are calculated automatically, subject to certain constraints, by applying to previously used values, the month-to-month and year-to-year changes in similar values of responding municipalities and the historical pattern of the missing municipalities. No estimation is done for lack of coverage, concealment or the underevaluation of permits issued. For this reason, the sampling error cannot be computed.

The monthly statistics are not corrected for cancelled or expired permits. According to the municipal officers, the proportion of cancelled and unused permits is below 5%.

Reference period: The reference period for data collection purposes is the calendar month. Reports from municipalities which are part of a census metropolitan area or a census agglomeration must be received within 20 days following the month of reference. The other municipalities have 30 days to produce their reports. Results are released between 35 and 40 days after the end of the reference month. Annual data for the preceding calendar year are released with the data for the January survey month.

Revisions: Two types of revisions can affect the results of the Building Permits Survey:

Revisions due to the correction of coding errors

These types of revisions are done on a monthly basis only to the data pertaining to the month preceding the reference period.

Revisions due to the addition of late reports

Late reports for the month preceding the reference period are incorporated into the survey results on a continuing basis. However, reports received after the two-month deadline following the reference month are introduced only at the end of the year. As a result, the data for the last twelve months are subject to revision.

Seasonal adjustment: Components of the building permits for which seasonal variation is present are seasonally adjusted using the X-12 ARIMA method. Seasonally adjusted data for the total number of housing units and the aggregate value of building permits are obtained indirectly, i.e., by adding up their seasonally adjusted components. Specifically, the total number of dwelling units is obtained by summing the seasonally adjusted data for single-family and multi-family units. The total value of building permits is obtained by summing the following components: residential, industrial, commercial and institutional. In cases where the component series contains no apparent seasonality, unadjusted values are used in the place of seasonally adjusted values in these aggregations.

At the end of the year, the seasonally adjusted time series are revised to take into account the most recent seasonal fluctuations at the same time as a revision to the previous year of the unadjusted data. In general, revisions for the seasonally adjusted estimates extending back three years are made with the release of January building permits data.

For more information on seasonal adjustment, see *Seasonally adjusted data – Frequently asked questions*.

As a complement to the seasonally adjusted series, trend-cycle estimates are produced to indicate the long-term underlying movement of a series and may also be used as early indicators of the direction of the short-term trend (within the current year). Both the seasonally adjusted and trend-cycle estimates are subject to revision as new data points are added to the series. These revisions could be large and even lead to a reversal of movement, especially at the end of the trend series. The higher variability associated with the trend-cycle estimates is indicated with a dotted line for the most recent four months on the graphs.

Starting with the release of January 2016 data, the Monthly survey of building permits trend-cycle is estimated using a standard method employed by several monthly economic indicators at Statistics Canada. For more information on this method, see the *StatCan Blog* and *Trend-cycle estimates – Frequently asked questions*.

Concepts and variables measured

The statistical data presented in this product refers to the number of dwelling units authorized and the **value of building permits**. The value of the permits reported includes the following expenditures: materials, labour, profit and overhead. The cost of land is never included in the estimated value of the permit while acquisition costs (legal fees, surveying fees and accrued interest) may be included at times.

The classification used in this publication deals strictly with structures for which a building permit was issued. Permits are generally issued for the following: construction of new buildings, alterations, additions, renovations, etc. Minor repair jobs such as painting, tiling, roofing, etc., for which no permit is required, and engineering work (such as dams, roads, pipelines, etc.), which, by definition, is not a building, are not included in the building permit series. Estimates of such work may be obtained on Cansim, tables 029-0045 and 029-0050 from the *Annual Capital and Repair Expenditures Survey: Actual, Preliminary Actual and Intentions (CAPEX) SDDS=2803*.

The description given by the municipalities as to the type of building (box #6 of Section A on the form) and the type of work involved (box #7 of Section A on the form) forms the basis for classification. The classification of buildings into major groups and subgroups is based on the following: intended use in the case of new buildings; present or intended use of buildings to which improvements are to be made; present use of the existing structure where the proposed construction is intended to provide additional facilities; principal use of the structure where the proposed construction has more than one intended use; however, where the building contains dwellings, the value of the construction is divided between residential and non-residential use.

Building categories

This publication, uses the following classification for the **value of permits issued** for construction of new buildings or for improvements: residential, industrial, commercial, institutional and government.

Residential: Includes all buildings intended for private occupancy whether on a permanent basis or not. Dwellings are divided into the following types: single-family, mobile, cottage, semi-detached, row house and apartment building.

Industrial: Includes all buildings used for manufacturing and processing; transportation, communication and other utilities, and agriculture, forestry and mining.

Commercial: Includes all buildings used to house activities related to the tertiary sector, such as stores, warehouses, garages, office buildings, theatres, hotels, funeral parlours and beauty salons.

Institutional and Government: Includes expenditures made by the community, public and government for buildings and structures like schools, universities, hospitals, clinics, churches, homes for the aged.

The **number of dwelling units** indicates the number of self contained dwelling units created. This should not be confused with the number of structures. For example, an apartment building containing six dwellings will be shown as six dwelling units. When an existing structure is converted into additional housing units, the number of units added is included. This publication uses the following classification for dwelling units:

Single-family: Refers to dwellings commonly called “single house”. It includes single dwellings that are completely isolated on all sides, including single dwellings linked to other dwellings below ground. Included are bungalows, split levels, two-storey single-family homes built by conventional methods or prefabricated.

Mobile homes: Refers to houses designed and constructed to be transported on their own chassis and for easy moving.

Cottage: Refers to dwellings that cannot be occupied year-round or on a permanent basis because the facilities required for comfort are inadequate.

Double or Semi-detached: Refers to dwellings in which each of the two dwellings are side by side and joined by a common wall or garage, but not attached to any other building and surrounded by open space.

Row Dwellings: Refers to a row of three or more dwellings attached to each other without dwellings above or below.

Apartment Building: Includes dwellings in a variety of buildings such as duplexes, semi-detached duplexes, triplexes, row duplexes, apartments as such and dwellings adjacent to non-residential structures.

Conversion: Refers to the number of dwellings added by conversion of existing structures.

Geographic classification

Geographic entities are classified according to Standard Geographical Classification (SGC) used by Statistics Canada. Each reporting entity is assigned a twelve-digit SGC code for identification according to the following geographic levels:

Province and territory (PR): There are ten provinces and three territories.

Economic region (ER): Refers to intraprovincial regions established by the Standards Division of Statistics Canada. There are seventy-six ERs.

Census division (CD): Refers to a group of census subdivisions established by provincial law. There are two hundred and eighty-eight CDs (data on this geographic group is available on request).

Census metropolitan area (CMA): Its delineation corresponds to the 2011 Census definition. The term CMA refers to the main labour market area of an urban area (the urbanized core) of at least 100,000 population, based on the Census population figures. The thirty-five CMAs are shown in this publication. Although the 2011 Census defines the Ottawa-Gatineau area as a single CMA, the area is shown in this publication as two separate entities since it is located in two different provinces.

Census agglomeration (CA): Refers to the smaller labour market area of an urbanized core of at least 10,000 population, as defined by the 2011 Census. There are one hundred and fourteen CAs in Canada. When a CA overlaps the boundaries of two provinces, it is shown partly in each province. The Lloydminster agglomeration is an exception to this rule. It is treated as if it was totally located in Alberta.

Other municipalities of at least 10,000 population: Refers to municipalities not included in census agglomerations but with populations of at least 10,000 inhabitants. The distinction is made between these municipalities and CAs in order to permit comparison between the Building Permits Survey and the Housing Starts and Completions Survey which refers to this geographical concept.

Rural area: Refers to all geographic entities not included in a CMA or CA and not identified as a population centre by the Canada Mortgage and Housing Corporation.

Census subdivision (CSD): Refers to the general term applying to municipalities, Indian reserves, Indian settlements and unorganized territories. However, since Indian reserves and settlements do not issue building permits, they are not included in this publication.

Non-standard geographic unit: The geographic units shown in this publication do not all satisfy the above definition of census subdivision. Some provincial or municipal administrations producing monthly reports do not correspond to the official geographic entities; they are nevertheless shown in this publication under the geographic entity used by these administrations. These so-called non-standard geographic units are few in number and are mostly concentrated in the Maritime provinces.

Territorial revisions

Territorial boundaries were established according to the 2011 Census definitions. Changes in boundaries, status or name of census subdivisions between censuses are introduced in this publication on a yearly basis. Changes affecting the other geographic units (CMAs, CAs, CDs and ERs) are introduced every five years, eighteen months following the census.

Data accuracy

Since the building permit data are extracted from municipal administrative documents, two types of response errors are possible: errors attributable to the permit applicant and errors in transcription by the responding municipality. However, experience has shown that transcription errors are not very common and the increasing number of municipalities producing computerized reports tends to reduce the frequency of this type of error. Errors attributable to an understatement of the cost of construction are more probable. Since permit fees are in most cases based on the value of the construction, this leads unquestionably to under-estimation of project values.

In the last years, an average of 98.0% of the municipalities covered by the survey filed their monthly reports for the Building Permits Survey. The average monthly revision rate over the last few years has been 0.5%.

Comparability of data and related sources

Comparison of data must be done with reservation considering that the methods of issuing permits and the methods of estimating building values can differ from one municipality to another. Also, comparisons involving different periods must take into account the constant increase in the number of municipalities participating in the survey.

This publication contains only part of the data produced on building permits. However, you may order unpublished tables or address special requests, to the Building Construction and Property Value Section (613-951-6321 or 1-800-579-8533). The series presented here is also available on CANSIM: Tables 026-0001 to 026-0008 and 026-0010.

Related products

Publications

61-205-X	Private and Public Investment in Canada, Intentions
62-202-X	Spending Patterns in Canada

Technical and analytical products

62F0014M1996002	An Analysis of Some Construction Price Index Methodologies
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CANSIM tables

026-0001	Building permits, residential values and number of units, by type of dwelling, monthly
026-0002	Building permits, dwelling units by type of dwelling and area, monthly
026-0003	Building permits, values by activity sector, monthly
026-0004	Building permits, values by activity sector and area, monthly
026-0005	Building permits, non-residential values by type of structure, monthly
026-0006	Building permits, by type of structure and area, seasonally adjusted, monthly
026-0007	Building permits, dwelling units by type of structure and value and by activity sector, monthly
026-0008	Building permits, values by activity sector, seasonally adjusted and unadjusted, monthly
026-0010	Building permits, residential and non-residential values by type of structure for Canada and population centres, 10,000 and over, monthly

Survey

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Summary tables

Value of building permits, province and territory (monthly)
Value of building permits, census metropolitan area (monthly)
Economic indicators, by province and territory (monthly and quarterly)
Value of building permits, by province and territory
Value of building permits by type

Appendix

Geographical abbreviations

C	City / Cité
CC	Chartered community
CG	Community government
CN	Crown colony / Colonie de la couronne
COM	Community
CT	Canton (municipalité de)
CU	Cantons unis (municipalité de)
CV	City / Ville
CY	City
DM	District municipality
HAM	Hamlet
ID	Improvement district
IGD	Indian government district
IM	Island municipality
IRI	Indian reserve / Réserve indienne
LGD	Local government district
LOT	Township and royalty
M	Municipality / Municipalité
MD	Municipal district
MÉ	Municipalité
MU	Municipality
NH	Northern hamlet
NL	Nisga'a land
NO	Unorganized / Non organisé
NV	Northern village
NVL	Nisgaa village
P	Parish / Paroisse (municipalité de)
PE	Paroisse (municipalité de)
RCR	Rural community / Communauté rurale
RDA	Regional district electoral area
RG	Region
RGM	Regional municipality
RM	Rural municipality
RV	Resort village
S-É	Indian settlement / Établissement indien
SA	Special area
SC	Subdivision of county municipality / Subdivision municipalité de comté
SÉ	Settlement / Établissement
SET	Settlement
SG	Self-government / Autonomie gouvernementale
SM	Specialized municipality
SNO	Subdivision of unorganized / Subdivision non organisée
SV	Summer village
T	Town
TC	Terres réservées aux Cris
TI	Terre inuite
TK	Terres réservées aux Naskapis
TL	Teslin land
TP	Township
TV	Town / Ville
V	Ville
VC	Village cri

Geographical abbreviations

VK	Village naskapi
VL	Village
VN	Village nordique

Source: Statistics Canada, 2011 Census of Population (<http://www12.statcan.gc.ca/census-recensement/2011/ref/dict/table-tableau/table-tableau-5-eng.cfm>).