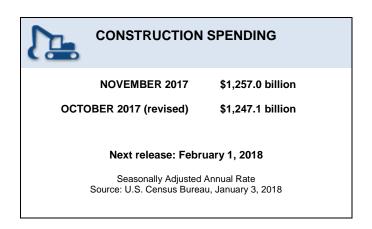
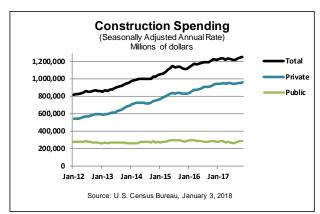
FOR RELEASE AT 10:00 AM EST, WEDNESDAY, JANUARY 3, 2018

MONTHLY CONSTRUCTION SPENDING, NOVEMBER 2017

Release Number: CB18-02

January 3, 2018 — The U.S. Census Bureau announced the following value put in place construction statistics for November 2017:





Total Construction

Construction spending during November 2017 was estimated at a seasonally adjusted annual rate of \$1,257.0 billion, 0.8 percent (±1.2 percent)* above the revised October estimate of \$1,247.1 billion. The November figure is 2.4 percent (±1.5 percent) above the November 2016 estimate of \$1,227.0 billion. During the first eleven months of this year, construction spending amounted to \$1,138.3 billion, 4.2 percent (±1.0 percent) above the \$1,091.9 billion for the same period in 2016.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$964.3 billion, 1.0 percent (± 1.0 percent)* above the revised October estimate of \$955.1 billion. Residential construction was at a seasonally adjusted annual rate of \$530.8 billion in November, 1.0 percent (±1.3 percent)* above the revised October estimate of \$525.3 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$433.5 billion in November, 0.9 percent (± 1.0 percent)* above the revised October estimate of \$429.7 billion.

Public Construction

In November, the estimated seasonally adjusted annual rate of public construction spending was \$292.7 billion, 0.2 percent (±2.0 percent)* above the revised October estimate of \$292.0 billion. Educational construction was at a seasonally adjusted annual rate of \$78.8 billion, 3.8 percent (±2.5 percent) above the revised October estimate of \$75.9 billion. Highway construction was at a seasonally adjusted annual rate of \$88.0 billion, 0.8 percent (±4.6 percent)* below the revised October estimate of \$88.7 billion.

Data Inquiries

Economic Indicator Division, Construction Expenditures Branch 301-763-1605

eid.ceb.customer.service@census.gov

Census Bureau Media Inquiries
Public Information Office
301-763-3030
pio@census.gov

The December 2017 Monthly Construction Spending Report is scheduled for release on February 1, 2018. View the full schedule in the Economic Briefing Room: <<u>www.census.gov/economic-indicators/</u>>. The full text and tables for this release can be found at <<u>www.census.gov/constructionspending/</u>>.

EXPLANATORY NOTES

In interpreting changes in the statistics in this release, note that month-to-month changes in seasonally adjusted statistics often show movements which may be irregular. It may take 2 months to establish an underlying trend for total construction and as long as 8 months for specific categories of construction. The statistics in this release are estimated from several sources and surveys and are subject to sampling variability as well as nonsampling error including bias and variance from response, nonreporting, and undercoverage. Estimates of the standard errors are provided in Table 3. Whenever a statement such as "2.3 (± 3.1) percent above" appears in the text, this indicates the range (-0.8 to +5.4 percent) in which the actual percentage change is likely to have occurred. All ranges given are 90 percent confidence intervals and account only for sampling variability. If a range does not contain zero, the change is statistically significant. If it does contain zero, the change is not statistically significant; that is, it is uncertain whether there was an increase or decrease. Statistics for the current month are preliminary estimates subject to revision in following months as additional data become available. The average absolute percent changes from preliminary estimate to first revision for the major seasonally adjusted components are as follows: total construction, 0.83 percent; private construction, 1.01 percent; and public construction, 1.09 percent. Explanations of confidence intervals and sampling variability can be found on our website at <www.census.gov/construction/c30/methodology.html/>.

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before. www.census.gov/developers/

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* The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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Table 1. Value of Construction Put in Place in the United States, Seasonally Adjusted Annual Rate (Millions of dollars. Details may not add to totals due to rounding.)

							Percent change Nov 2017 from -	
Type of Construction	Nov 2017 ^p	Oct 2017 ^r	Sep 2017 ^r	Aug 2017	Jul 2017	Nov 2016	Oct 2017	Nov 2016
Total Construction	1,256,993	1,247,077	1,236,278	1,220,897	1,215,351	1,227,044	0.8	2.4
Residential	537,768	531,936	530,243	522,920	519,639	498,610	1.1	7.9
Nonresidential	719,226	715,141	706,035	697,977	695,712	728,435	0.6	-1.3
Lodging	29,328	29,119	29,059	29,534	28,672	28,353	0.7	3.4
Office	70,003	66,935	65,150	66,295	68,510	73,549	4.6	-4.8
Commercial	88,076	87,034	88,558	86,199	87,764	81,639	1.2	7.9
Health care	41,829	42,028	40,662	40,844	39,270	38,189	-0.5	9.5
Educational	99,580	96,504	92,577	90,062	85,788	91,953	3.2	8.3
Religious	3,185	3,085	3,208	3,187	3,329	3,483	3.2	-8.6
Public safety	8,493	8,726	8,388	8,285	7,786	7,920	-2.7	7.2
Amusement and recreation	23,044	22,798	24,151	23,334	23,743	23,715	1.1	-2.8
Transportation	46,943	46,981	45,018	43,298	41,198	41,209	-0.1	13.9
Communication	22,687	22,740	22,756	22,924	23,050	22,753	-0.2	-0.3
Power	97,339	97,885	99,011	99,546	99,838	107,758	-0.6	-9.7
Highway and street	88,223	88,911	86,516	84,753	85,570	94,186	-0.8	-6.3
Sewage and waste disposal	20,866	20,536	19,882	19,492	19,436	20,874	1.6	0.0
Water supply	11,324	11,650	11,556	11,573	11,110	12,549	-2.8	-9.8
Conservation and development	7,341	8,102	7,599	7,030	6,729	8,051	-9.4	-8.8
Manufacturing .	60,965	62,107	61,944	61,621	63,920	72,255	-1.8	-15.6
Total Private Construction ¹	964,341	955,088	954,246	945,808	947,505	939,488	1.0	2.6
Residential	530,844	525,346	523,551	516,569	513,827	492,028	1.0	7.9
New single family	274,065	269,059	267,537	265,540	263,321	251,675	1.9	8.9
New multi-family	60,459	61,275	61,584	61,928	61,760	61,479	-1.3	-1.7
Nonresidential	433,497	429,742	430,696	429,238	433,678	447,460	0.9	-3.1
Lodging	28,174	27,845	27,716	28,170	27,571	27,996	1.2	0.6
Office	60,450	57,301	56,527	57,749	60,555	64,955	5.5	-6.9
Commercial	85,003	83,775	85,462	83,060	84,517	78,527	1.5	8.2
Health care	32,160	32,124	31,705	31,078	30,331	29,567	0.1	8.8
Educational	20,769	20,571	21,027	19,449	19,092	21,609	1.0	-3.9
Religious	3,185	3,085	3,208	3,187	3,329	3,483	3.2	-8.6
Amusement and recreation	13,025	12,846	13,590	13,349	13,404	13,289	1.4	-2.0
Transportation	17,004	16,402	15,245	15,413	13,890	11,962	3.7	42.2
Communication	22,577	22,598	22,645	22,759	22,944	22,640	-0.1	-0.3
Power	90,156	91,123	91,815	93,403	93,959	100,935	-1.1	-10.7
Manufacturing	60,456	61,460	61,176	60,924	63,291	71,696	-1.6	-15.7
Total Public Construction ²	292,652	291,990	282,032	275,089	267,845	287,556	0.2	1.8
Residential	6,924	6,590	6,692	6,351	5,812	6,582	5.1	5.2
Nonresidential	285,729	285,399	275,340	268,738	262,034	280,974	0.1	1.7
Office	9,553	9,634	8,623	8,546	7,955	8,594	-0.8	11.2
Commercial	3,072	3,259	3,096	3,139	3,247	3,112	-5.7	-1.3
Health care	9,670	9,905	8,958	9,766	8,939	8,622	-2.4	12.2
Educational	78,811	75,933	71,550	70,613	66,696	70,344	3.8	12.0
Public safety	8,437	8,601	8,355	8,247	7,750	7,812	-1.9	8.0
Amusement and recreation	10,019	9,953	10,562	9,984	10,340	10,426	0.7	-3.9
Transportation	29,939	30,578	29,773	27,885	27,308	29,247	-2.1	2.4
Power	7,183	6,763	7,196	6,143	5,879	6,823	6.2	5.3
Highway and street	88,042	88,734	86,308	84,483	85,321	94,006	-0.8	-6.3
Sewage and waste disposal	20,710	20,386	19,729	19,338	19,190	20,593	1.6	0.6
Water supply	11,185	11,496	11,388	11,368	10,888	12,370	-2.7	-9.6
Conservation and development	7,334	8,095	7,581	7,002	6,686	7,996	-9.4	-8.3

^pPreliminary ^rRevised

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, January 3, 2018. Table 3 provides estimated measures of sampling variability. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html.

¹Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

²Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Table 2. Value of Construction Put in Place in the United States, Not Seasonally Adjusted (Millions of dollars. Details may not add to totals due to rounding.)

							Year-to-date		
Type of Construction	Nov 2017 ^p	Oct 2017 ^r	Sep 2017 ^r	Aug 2017	Jul 2017	Nov 2016	Nov 2017	Nov 2016	Percent change
Total Construction	105,767	112,839	112,977	113,101	111,869	103,126	1,138,274	1,091,906	4.2
Residential	44,728	48,529	48,257	48,394	49,191	41,176	485,629	436,199	11.3
Nonresidential	61,039	64,310	64,721	64,707	62,679	61,950	652,645	655,707	-0.5
Lodging	2,489	2,516	2,507	2,533	2,414	2,409	26,119	24,557	6.4
Office	5,961	5,793	5,805	5,728	5,854	6,262	63,199	61,380	3.0
Commercial	7,464	7,875	7,942	7,719	7,646	6,982	79,847	69,900	14.2
Health care	3,559	3,651	3,632	3,564	3,292	3,215	36,743	35,543	3.4
Educational	7,777	8,027	8,247	9,192	8,791	7,094	85,295	82,901	2.9
Religious	273	280	297	296	293	298	2,969	3,230	-8.1
Public safety	743	757	806	729	639	685	7,462	7,274	2.6
Amusement and recreation	1,944	2,053	2,121	2,074	2,076	2,009	21,575	20,631	4.6
Transportation	4,075	4,262	4,070	3,906	3,620	3,584	39,939	38,893	2.7
Communication	2,118	2,044	1,961	2,033	1,896	2,126	20,675	19,802	4.4
Power	8,365	8,473	8,326	8,225	8,317	9,349	90,936	96,664	-5.9
Highway and street	7,672	9,442	9,831	9,958	9,156	8,140	82,420	85,983	-4.1
Sewage and waste disposal	1,786	1,970	1,853	1,822	1,738	1,795	18,163	21,236	-14.5
Water supply	971	1,057	1,047	1,024	974	1,086	10,481	11,572	-9.4
Conservation and development	637	695	748	616	547	689	6,534	7,061	-7.5
Manufacturing	5,206	5,416	5,529	5,288	5,427	6,226	60,288	69,081	-12.7
Total Private Construction ¹	81,287	85,649	85,157	84,938	85,712	79,171	878,572	824,787	6.5
Residential	44,142	47,927	47,629	47,823	48,686	40,629	479,777	430,154	11.5
New single family	23,993	24,395	24,827	24,802	24,272	21,980	,	223,631	9.0
New multi-family	5,068	5,345	5,264	5,511	5,121	5,209	-		3.3
Nonresidential	37,145	37,722	37,528	37,115	37,027	38,542	398,796	394,633	1.1
Lodging	2,393	2,410	2,395	2,420	2,322	2,379	25,358		5.0
Office	5,160	4,971	4,983	4,983	5,185	5,546		54,055	2.5
Commercial	7,197	7,606	7,636	7,431	7,373	6,710		67,033	14.7
Health care	2,761	2,829	2,815	2,721	2,538	2,505	28,217	27,745	1.7
Educational	1,635	1,691	1,745	1,793	1,757	1,694	18,824	18,274	3.0
Religious	273	280	297	296	293	298	2,969	3,230	-8.1
Amusement and recreation	1,099	1,123	1,161	1,143	1,167	1,120	11,873	11,011	7.8
Transportation	1,508	1,478	1,337	1,338	1,239	1,100	13,210	11,893	11.1
Communication	2,109	2,032	1,951	2,019	1,887	2,117	20,568	19,659	4.6
Power	7,799	7,888	7,686	7,678	7,822	8,820	85,144	88,192	-3.5
Manufacturing	5,164	5,362	5,465	5,230	5,375	6,180	59,660	68,479	-12.9
Total Public Construction ²	24,480	27,190	27,820	28,163	26,157	23,955	259,701	267,119	-2.8
Residential	586	602	627	571	505	547	5,852	6,045	-3.2
Nonresidential	23,894	26,589	27,193	27,592	25,652	23,408	253,849	261,074	-2.8
Office	801	823	822	745	669	716	7,803	7,325	6.5
Commercial	267	269	306	289	273	272	2,953	2,867	3.0
Health care	798	822	817	843	753	710	8,526	7,798	9.3
Educational	6,142	6,336	6,502	7,399	7,034	5,400		64,627	2.9
Public safety	738	746	803	726	636	676	7,397	7,180	3.0
Amusement and recreation	845	930	961	931	910	890	-		0.9
Transportation	2,567	2,783	2,733	2,568	2,380	2,484	26,730		-1.0
Power	566	585	640	547	495	529		8,472	-31.6
Highway and street	7,654	9,428	9,809	9,933	9,133	8,121	82,207	85,737	-4.1
Sewage and waste disposal	1,773	1,957	1,839	1,808	1,717	1,771	17,989		-13.9
Water supply	959	1,043	1,030	1,006	956	1,069			-9.8
Conservation and development	637	695	747	613		685		6,994	-6.9

^pPreliminary ^rRevised

Source: U.S. Census Bureau, Construction Spending, January 3, 2018.

Table 3 provides estimated measures of sampling variability. Additional information on the survey methodology may be found at <www.census.gov/construction/c30/meth.html>.

¹Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

²Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Table 3. Coefficients of Variation and Standard Errors by Type of Construction (Percent)

Type of Construction	Coefficient	of variation	Standard error				
	Monthly estimate	Year-to-date estimate	Year-to-date change	Month-to-month change	Month-to-month change from prev year		
Total Construction	0.9	0.5	0.6	0.7	0.9		
Residential	5.9	4.7	4.7	1.4	7.8		
Nonresidential	0.9	0.5	0.6	0.7	0.9		
Lodging	2.1	1.6	2.1	1.4	2.5		
Office	2.0	1.4	1.5	1.0	2.4		
Commercial	2.8	1.9	2.2	1.8	2.6		
Health care	1.9	1.4	2.0	1.2	2.3		
Educational	1.8	1.3	1.8	1.3	2.2		
Religious	6.7	4.2	5.6	4.8	6.9		
Public safety	3.1	2.2	2.7	2.0	3.5		
Amusement and recreation	3.4 1.7	2.6 1.2	3.2	2.2	3.4		
Transportation Communication	na Na	NA	1.6 NA	1.0 NA	2.8 NA		
Power	0.3	0.3	0.3	0.2	0.4		
Highway and street	3.8	1.7	2.5	2.8	4.0		
Sewage and waste disposal	3.9	2.6	2.8	3.2	4.4		
Water supply	4.5	2.6	3.0	4.4	5.5		
Conservation and development	3.7	1.9	2.4	2.1	4.0		
Manufacturing .	0.7	0.8	0.7	0.5	0.7		
Total Private Construction	0.8	0.6	0.7	0.6	0.0		
Residential	5.0	1.1	1.3	0.8	1.4		
New single family New multi-family	5.0 5.2	4.0 4.5	6.8 4.5	6.0 1.6	6.0 4.4		
New multi-lamily Nonresidential							
	0.8 2.1	0.6 1.5	0.7 2.0	0.6 1.4	0.9 2.4		
Lodging Office	2.3	1.5	1.6	0.9	2.4		
Commercial	2.9	2.0	2.2	1.9	2.		
Health care	2.4	1.7	2.4	1.5	2.8		
Educational	2.8	2.3	2.8	2.4	3.2		
Religious	6.7	4.2	5.6	4.8	6.9		
Amusement and recreation	2.9	2.3	3.3	2.2	3.9		
Transportation	2.8	2.4	4.6	1.7	8.0		
Communication	NA	NA	NA	NA	N/		
Power	0.3	0.3	0.3	0.1	0.4		
Manufacturing	0.7	0.8	0.7	0.6	0.8		
Total Public Construction	1.5	0.8	1.1	1.2	1.7		
Residential	5.8	4.7	4.7	1.4	7.8		
Nonresidential	1.5	0.8	1.1	1.2	1.7		
Office	3.4	2.1	2.9	4.0	6.1		
Commercial	6.3	4.9	7.7	5.0	7.5		
Health care	2.8	2.1	2.7	1.8	3.3		
Educational	2.2 3.1	1.5 2.2	2.1 2.7	1.5	2.7		
Public safety Amusement and recreation	3.1 6.4	2.2 4.9	2.7 5.5	2.0 3.8	3.9 5.7		
Transportation	2.0	4.9	5.5 1.7	3.8 1.2	5 3.0		
Power	4.6	4.4	2.7	4.1	7.8		
Highway and street	3.9	1.7	2.7	2.8	4.0		
Sewage and waste disposal	3.9	2.6	2.8	3.2	4.5		
Water supply	4.5	2.6	2.9	4.5	5.6		
Conservation and development	3.7	1.9	2.4	2.1	4.		