

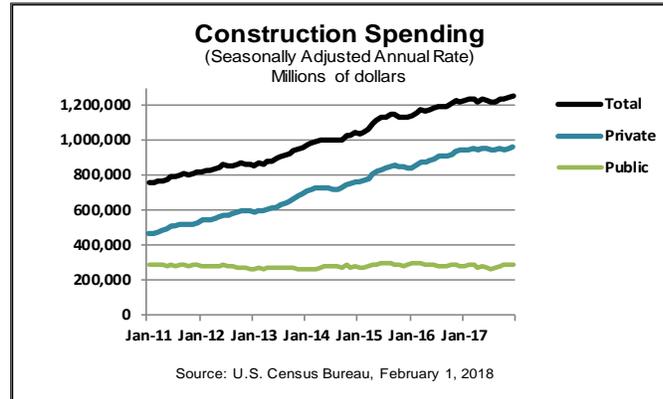
FOR RELEASE AT 10:00 AM EST, FEBRUARY 1, 2018

MONTHLY CONSTRUCTION SPENDING, DECEMBER 2017

Release Number: CB18-18

February 1, 2018 — The U.S. Census Bureau announced the following value put in place construction statistics for December 2017:

CONSTRUCTION SPENDING	
DECEMBER 2017	\$1,253.3 billion
NOVEMBER 2017 (revised)	\$1,245.1 billion
Next release: March 1, 2018	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, February 1, 2018	



Total Construction

Construction spending during December 2017 was estimated at a seasonally adjusted annual rate of \$1,253.3 billion, 0.7 percent (± 1.0 percent)* above the revised November estimate of \$1,245.1 billion. The December figure is 2.6 percent (± 1.3 percent) above the December 2016 estimate of \$1,221.6 billion.

The value of construction in 2017 was \$1,230.6 billion, 3.8 percent (± 1.0 percent) above the \$1,185.7 billion spent in 2016.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$963.2 billion, 0.8 percent (± 1.2 percent)* above the revised November estimate of \$955.9 billion. Residential construction was at a seasonally adjusted annual rate of \$526.1 billion in December, 0.5 percent (± 1.3 percent)* above the revised November estimate of \$523.8 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$437.1 billion in December, 1.1 percent (± 1.2 percent)* above the revised November estimate of \$432.1 billion.

The value of private construction in 2017 was \$950.7 billion, 5.8 percent (± 1.0 percent) above the \$898.7 billion spent in 2016. Residential construction in 2017 was \$515.9 billion, 10.6 percent (± 2.1 percent) above the 2016 figure of \$466.6 billion and nonresidential construction was \$434.8 billion, 0.6 percent (± 1.0 percent)* above the \$432.1 billion in 2016.

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Public Construction

In December, the estimated seasonally adjusted annual rate of public construction spending was \$290.0 billion, 0.3 percent (± 1.5 percent)* above the revised November estimate of \$289.1 billion. Educational construction was at a seasonally adjusted annual rate of \$75.5 billion, 1.6 percent (± 2.1 percent)* above the revised November estimate of \$74.4 billion. Highway construction was at a seasonally adjusted annual rate of \$88.3 billion, 0.3 percent (± 3.5 percent)* above the revised November estimate of \$88.0 billion.

The value of public construction in 2017 was \$279.8 billion, 2.5 percent (± 1.8 percent) below the \$287.0 billion spent in 2016. Educational construction in 2017 was \$71.2 billion, 2.5 percent (± 3.5 percent)* above the 2016 figure of \$69.5 billion and highway construction was \$87.7 billion, 3.7 percent (± 4.1 percent)* below the \$91.1 billion in 2016.

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

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.)

Type of Construction	Dec 2017 ^P	Nov 2017 ^r	Oct 2017 ^r	Sep 2017	Aug 2017	Dec 2016	Percent change Dec 2017 from -	
							Nov 2017	Dec 2016
Total Construction	1,253,294	1,245,057	1,237,649	1,236,278	1,220,897	1,221,584	0.7	2.6
Residential	532,923	530,646	524,524	530,243	522,920	501,955	0.4	6.2
Nonresidential	720,371	714,411	713,125	706,035	697,977	719,629	0.8	0.1
Lodging	29,869	28,954	28,630	29,059	29,534	28,497	3.2	4.8
Office	71,228	68,911	66,315	65,150	66,295	73,275	3.4	-2.8
Commercial	88,987	87,410	87,999	88,558	86,199	84,704	1.8	5.1
Health care	41,353	41,208	41,435	40,662	40,844	38,914	0.4	6.3
Educational	97,237	95,216	94,412	92,577	90,062	91,195	2.1	6.6
Religious	3,112	3,043	3,179	3,208	3,187	3,395	2.3	-8.3
Public safety	8,913	8,510	8,713	8,388	8,285	8,519	4.7	4.6
Amusement and recreation	23,363	23,362	22,583	24,151	23,334	23,099	0.0	1.1
Transportation	47,071	47,105	46,163	45,018	43,298	41,707	-0.1	12.9
Communication	23,643	23,339	23,266	22,756	22,924	23,051	1.3	2.6
Power	97,169	98,473	97,152	99,011	99,546	107,252	-1.3	-9.4
Highway and street	88,459	88,192	90,150	86,516	84,753	87,124	0.3	1.5
Sewage and waste disposal	20,159	20,752	20,316	19,882	19,492	19,838	-2.9	1.6
Water supply	10,893	10,978	11,378	11,556	11,573	12,191	-0.8	-10.6
Conservation and development	7,717	7,596	8,170	7,599	7,030	7,561	1.6	2.1
Manufacturing	61,199	61,362	63,264	61,944	61,621	69,308	-0.3	-11.7
Total Private Construction¹	963,247	955,914	948,847	954,246	945,808	943,823	0.8	2.1
Residential	526,134	523,767	518,131	523,551	516,569	495,435	0.5	6.2
New single family	275,636	274,444	269,053	267,537	265,540	253,601	0.4	8.7
New multi-family	64,021	62,391	62,675	61,584	61,928	61,190	2.6	4.6
Nonresidential	437,113	432,147	430,715	430,696	429,238	448,388	1.1	-2.5
Lodging	28,125	27,861	27,408	27,716	28,170	28,139	0.9	0.0
Office	61,824	59,360	56,946	56,527	57,749	65,048	4.2	-5.0
Commercial	85,767	84,440	84,835	85,462	83,060	81,618	1.6	5.1
Health care	31,630	31,594	31,619	31,705	31,078	30,237	0.1	4.6
Educational	21,691	20,831	20,631	21,027	19,449	21,445	4.1	1.1
Religious	3,112	3,043	3,179	3,208	3,187	3,395	2.3	-8.3
Amusement and recreation	13,436	13,123	12,708	13,590	13,349	13,090	2.4	2.6
Transportation	17,156	17,118	16,279	15,245	15,413	12,615	0.2	36.0
Communication	23,535	23,221	23,093	22,645	22,759	22,880	1.4	2.9
Power	89,637	90,078	90,672	91,815	93,403	100,439	-0.5	-10.8
Manufacturing	60,595	60,873	62,638	61,176	60,924	68,624	-0.5	-11.7
Total Public Construction²	290,047	289,143	288,803	282,032	275,089	277,762	0.3	4.4
Residential	6,790	6,879	6,393	6,692	6,351	6,521	-1.3	4.1
Nonresidential	283,257	282,264	282,410	275,340	268,738	271,241	0.4	4.4
Office	9,404	9,551	9,369	8,623	8,546	8,227	-1.5	14.3
Commercial	3,220	2,970	3,164	3,096	3,139	3,086	8.4	4.3
Health care	9,723	9,614	9,817	8,958	9,766	8,677	1.1	12.1
Educational	75,546	74,385	73,781	71,550	70,613	69,751	1.6	8.3
Public safety	8,810	8,407	8,559	8,355	8,247	8,396	4.8	4.9
Amusement and recreation	9,927	10,239	9,875	10,562	9,984	10,009	-3.0	-0.8
Transportation	29,915	29,987	29,884	29,773	27,885	29,093	-0.2	2.8
Power	7,532	8,396	6,479	7,196	6,143	6,813	-10.3	10.6
Highway and street	88,260	87,988	89,900	86,308	84,483	86,901	0.3	1.6
Sewage and waste disposal	20,013	20,614	20,177	19,729	19,338	19,563	-2.9	2.3
Water supply	10,742	10,824	11,220	11,388	11,368	12,003	-0.8	-10.5
Conservation and development	7,712	7,589	8,163	7,581	7,002	7,509	1.6	2.7

^PPreliminary ^rRevised

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.

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, February 1, 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.

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.)

Type of Construction	Dec 2017 ^P	Nov 2017 ^F	Oct 2017 ^F	Sep 2017	Aug 2017	Dec 2016	Year-to-date		
							Dec 2017	Dec 2016	Percent change
Total Construction	95,310	104,289	111,287	112,977	113,101	93,776	1,230,554	1,185,683	3.8
Residential	38,949	43,735	47,251	48,257	48,394	36,962	522,308	473,161	10.4
Nonresidential	56,360	60,554	64,036	64,721	64,707	56,814	708,246	712,521	-0.6
Lodging	2,461	2,442	2,446	2,507	2,533	2,366	28,463	26,923	5.7
Office	5,696	5,816	5,721	5,805	5,728	5,881	68,679	67,262	2.1
Commercial	7,041	7,421	7,983	7,942	7,719	6,678	86,953	76,578	13.5
Health care	3,376	3,493	3,584	3,632	3,564	3,160	39,986	38,703	3.3
Educational	6,967	7,381	7,830	8,247	9,192	6,490	91,668	89,391	2.5
Religious	248	253	292	297	296	271	3,210	3,501	-8.3
Public safety	737	739	754	806	729	708	8,193	7,982	2.6
Amusement and recreation	1,842	1,980	2,040	2,121	2,074	1,824	23,439	22,455	4.4
Transportation	3,698	4,069	4,174	4,070	3,906	3,312	43,543	42,205	3.2
Communication	2,213	2,193	2,100	1,961	2,033	2,235	23,020	22,038	4.5
Power	8,177	8,456	8,376	8,326	8,225	9,091	99,106	105,755	-6.3
Highway and street	5,404	7,692	9,553	9,831	9,958	5,406	87,956	91,390	-3.8
Sewage and waste disposal	1,547	1,783	1,954	1,853	1,822	1,535	19,691	22,771	-13.5
Water supply	853	938	1,032	1,047	1,024	950	11,277	12,522	-9.9
Conservation and development	679	653	697	748	616	658	7,230	7,719	-6.3
Manufacturing	5,423	5,246	5,499	5,529	5,288	6,247	65,833	75,328	-12.6
Total Private Construction¹	74,573	80,104	84,403	85,157	84,938	73,898	950,717	898,686	5.8
Residential	38,405	43,149	46,676	47,629	47,823	36,438	515,938	466,592	10.6
New single family	20,573	24,060	24,421	24,827	24,802	18,845	264,527	242,476	9.1
New multi-family	4,905	5,202	5,449	5,264	5,511	4,751	62,743	60,517	3.7
Nonresidential	36,168	36,955	37,727	37,528	37,115	37,460	434,779	432,093	0.6
Lodging	2,316	2,351	2,344	2,395	2,420	2,336	27,566	26,483	4.1
Office	4,927	5,014	4,920	4,983	4,983	5,208	60,127	59,263	1.5
Commercial	6,775	7,164	7,723	7,636	7,431	6,425	83,753	73,457	14.0
Health care	2,569	2,705	2,776	2,815	2,721	2,438	30,678	30,183	1.6
Educational	1,641	1,631	1,692	1,745	1,793	1,621	20,462	19,895	2.8
Religious	248	253	292	297	296	271	3,210	3,501	-8.3
Amusement and recreation	1,094	1,108	1,115	1,161	1,143	1,067	12,968	12,078	7.4
Transportation	1,399	1,498	1,445	1,337	1,338	1,059	14,565	12,951	12.5
Communication	2,204	2,183	2,085	1,951	2,019	2,221	22,900	21,880	4.7
Power	7,574	7,787	7,826	7,686	7,678	8,557	92,644	96,748	-4.2
Manufacturing	5,372	5,205	5,447	5,465	5,230	6,190	65,158	74,669	-12.7
Total Public Construction²	20,737	24,185	26,884	27,820	28,163	19,878	279,837	286,997	-2.5
Residential	544	585	575	627	571	524	6,370	6,569	-3.0
Nonresidential	20,193	23,600	26,309	27,193	27,592	19,354	273,468	280,428	-2.5
Office	770	803	801	822	745	674	8,552	7,999	6.9
Commercial	266	257	261	306	289	254	3,200	3,121	2.5
Health care	807	788	808	817	843	722	9,308	8,521	9.2
Educational	5,326	5,750	6,138	6,502	7,399	4,870	71,206	69,497	2.5
Public safety	729	731	741	803	726	698	8,113	7,878	3.0
Amusement and recreation	747	872	925	961	931	757	10,472	10,376	0.9
Transportation	2,299	2,571	2,729	2,733	2,568	2,254	28,978	29,254	-0.9
Power	603	669	550	640	547	535	6,463	9,007	-28.2
Highway and street	5,389	7,671	9,531	9,809	9,933	5,388	87,716	91,125	-3.7
Sewage and waste disposal	1,536	1,771	1,942	1,839	1,808	1,514	19,508	22,417	-13.0
Water supply	840	924	1,019	1,030	1,006	935	11,055	12,331	-10.3
Conservation and development	678	652	697	747	613	654	7,207	7,648	-5.8

^PPreliminary ^FRevised

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.

Source: U.S. Census Bureau, Construction Spending, February 1, 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.

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	0.6	0.8
Residential	5.8	4.7	4.6	1.5	7.1
Nonresidential	0.9	0.5	0.6	0.6	0.8
Lodging	2.2	1.7	2.1	1.9	3.1
Office	2.0	1.3	1.4	2.9	2.8
Commercial	2.7	1.8	2.0	1.2	2.5
Health care	1.9	1.4	2.0	1.2	2.2
Educational	1.8	1.3	1.7	1.1	2.2
Religious	6.6	4.2	5.5	2.9	6.4
Public safety	3.1	2.3	2.6	2.3	4.0
Amusement and recreation	3.3	2.5	3.0	2.3	3.7
Transportation	1.6	1.1	1.5	1.1	2.7
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.3	0.3	0.2
Highway and street	3.8	1.8	2.5	2.1	3.8
Sewage and waste disposal	3.9	2.6	2.8	2.0	4.2
Water supply	4.5	2.8	2.9	3.4	4.3
Conservation and development	3.5	1.7	2.4	2.0	4.5
Manufacturing	0.7	0.7	0.7	0.5	0.7
Total Private Construction	0.8	0.6	0.6	0.7	0.9
Residential	5.0	1.1	1.3	0.8	1.4
New single family	5.0	4.0	6.8	6.0	6.0
New multi-family	5.2	4.6	4.4	1.5	5.3
Nonresidential	0.8	0.6	0.6	0.7	0.9
Lodging	2.1	1.6	2.0	1.6	2.4
Office	2.3	1.5	1.5	3.4	3.0
Commercial	2.8	1.9	2.1	1.3	2.5
Health care	2.3	1.7	2.3	1.5	2.6
Educational	2.8	2.1	2.6	2.0	3.1
Religious	6.6	4.2	5.5	2.9	6.4
Amusement and recreation	2.8	2.3	3.2	1.5	3.4
Transportation	2.7	2.3	4.7	1.2	10.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.3	0.3	0.2
Manufacturing	0.7	0.7	0.7	0.5	0.7
Total Public Construction	1.5	0.8	1.1	0.9	1.5
Residential	5.7	4.7	4.6	1.5	7.1
Nonresidential	1.5	0.8	1.1	1.0	1.5
Office	3.4	2.1	2.9	4.0	5.1
Commercial	6.0	4.6	7.1	4.7	8.4
Health care	2.8	2.0	2.6	1.5	3.1
Educational	2.2	1.5	2.1	1.3	2.8
Public safety	3.1	2.3	2.6	2.3	4.0
Amusement and recreation	6.4	4.7	5.1	4.6	7.3
Transportation	1.9	1.3	1.6	1.3	2.6
Power	4.6	4.1	2.6	3.4	3.9
Highway and street	3.8	1.8	2.5	2.1	3.8
Sewage and waste disposal	3.9	2.6	2.8	2.0	4.3
Water supply	4.5	2.7	2.8	3.5	4.3
Conservation and development	3.5	1.7	2.4	2.0	4.4

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, February 1, 2018. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html.

Table 4. Annual Value of Construction Put in Place in the United States

(Millions of dollars. Details may not add to totals due to rounding.)

Type of Construction	2017 ^P	2016	Percent change	Coefficient of Variation
Total Construction	1,230,554	1,185,683	3.8	0.5
Residential	522,308	473,161	10.4	4.7
Nonresidential	708,246	712,521	-0.6	0.5
Lodging	28,463	26,923	5.7	1.7
Office	68,679	67,262	2.1	1.3
Commercial	86,953	76,578	13.5	1.8
Health care	39,986	38,703	3.3	1.4
Educational	91,668	89,391	2.5	1.3
Religious	3,210	3,501	-8.3	4.2
Public safety	8,193	7,982	2.6	2.3
Amusement and recreation	23,439	22,455	4.4	2.5
Transportation	43,543	42,205	3.2	1.1
Communication	23,020	22,038	4.5	NA
Power	99,106	105,755	-6.3	0.3
Highway and street	87,956	91,390	-3.8	1.8
Sewage and waste disposal	19,691	22,771	-13.5	2.6
Water supply	11,277	12,522	-9.9	2.8
Conservation and development	7,230	7,719	-6.3	1.7
Manufacturing	65,833	75,328	-12.6	0.7
Total Private Construction¹	950,717	898,686	5.8	0.6
Residential	515,938	466,592	10.6	1.1
New single family	264,527	242,476	9.1	4.0
New multi-family	62,743	60,517	3.7	4.6
Nonresidential	434,779	432,093	0.6	0.6
Lodging	27,566	26,483	4.1	1.6
Office	60,127	59,263	1.5	1.5
Commercial	83,753	73,457	14.0	1.9
Health care	30,678	30,183	1.6	1.7
Educational	20,462	19,895	2.8	2.1
Religious	3,210	3,501	-8.3	4.2
Public safety	80	104	-23.1	31.8
Amusement and recreation	12,968	12,078	7.4	2.3
Transportation	14,565	12,951	12.5	2.3
Communication	22,900	21,880	4.7	NA
Power	92,644	96,748	-4.2	0.3
Sewage and waste disposal	183	354	-48.3	30.9
Water supply	222	192	15.6	28.0
Manufacturing	65,158	74,669	-12.7	0.7
Total Public Construction²	279,837	286,997	-2.5	0.8
Residential	6,370	6,569	-3.0	4.7
Nonresidential	273,468	280,428	-2.5	0.8
Office	8,552	7,999	6.9	2.1
Commercial	3,200	3,121	2.5	4.6
Health care	9,308	8,521	9.2	2.0
Educational	71,206	69,497	2.5	1.5
Public safety	8,113	7,878	3.0	2.3
Amusement and recreation	10,472	10,376	0.9	4.7
Transportation	28,978	29,254	-0.9	1.3
Power	6,463	9,007	-28.2	4.1
Highway and street	87,716	91,125	-3.7	1.8
Sewage and waste disposal	19,508	22,417	-13.0	2.6
Water supply	11,055	12,331	-10.3	2.7
Conservation and development	7,207	7,648	-5.8	1.7

NA Not applicable ^PPreliminary

¹Includes the following categories of private construction not shown separately: highway and street, and conservation and development.

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

Source: U.S. Census Bureau, Construction Spending, February 1, 2018.

www.census.gov/construction/c30/meth.html.