

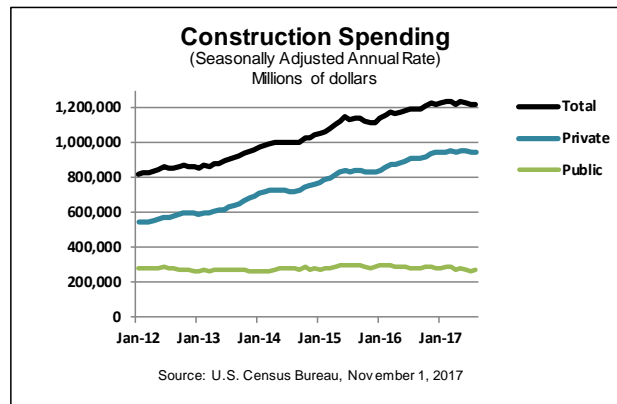
FOR RELEASE AT 10:00 AM EDT, WEDNESDAY, NOVEMBER 1, 2017

## MONTHLY CONSTRUCTION SPENDING, SEPTEMBER 2017

Release Number: CB17-175

**November 1, 2017** — The U.S. Census Bureau announced the following value put in place construction statistics for September 2017:

CONSTRUCTION SPENDING	
SEPTEMBER 2017	\$1,219.5 billion
AUGUST 2017 (revised)	\$1,216.0 billion
Next release: December 1, 2017	
Seasonally Adjusted Annual Rate	
Source: U.S. Census Bureau, November 1, 2017	



### Total Construction

Construction spending during September 2017 was estimated at a seasonally adjusted annual rate of \$1,219.5 billion, 0.3 percent ( $\pm 1.3$  percent)\* above the revised August estimate of \$1,216.0 billion. The September figure is 2.0 percent ( $\pm 1.6$  percent) above the September 2016 estimate of \$1,195.6 billion. During the first 9 months of this year, construction spending amounted to \$917.0 billion, 4.3 percent ( $\pm 1.2$  percent) above the \$879.6 billion for the same period in 2016.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$942.7 billion, 0.4 percent ( $\pm 1.0$  percent)\* below the revised August estimate of \$946.2 billion. Residential construction was at a seasonally adjusted annual rate of \$515.4 billion in September, nearly the same as ( $\pm 1.3$  percent)\* the revised August estimate of \$515.6 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$427.3 billion in September, 0.8 percent ( $\pm 1.0$  percent)\* below the revised August estimate of \$430.6 billion.

### Public Construction

In September, the estimated seasonally adjusted annual rate of public construction spending was \$276.8 billion, 2.6 percent ( $\pm 2.3$  percent) above the revised August estimate of \$269.8 billion. Educational construction was at a seasonally adjusted annual rate of \$71.9 billion, 5.2 percent ( $\pm 2.8$  percent) above the revised August estimate of \$68.3 billion. Highway construction was at a seasonally adjusted annual rate of \$84.3 billion, 1.1 percent ( $\pm 5.6$  percent)\* above the revised August estimate of \$83.4 billion.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
301-763-1605  
[eid.ceb.customer.service@census.gov](mailto:eid.ceb.customer.service@census.gov)

#### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU  
[census.gov](http://census.gov)

## General Information

The October 2017 Monthly Construction Spending Report is scheduled for release on December 1, 2017 . View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. The full text and tables for this release can be found at <[www.census.gov/constructionspending/](http://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 ( $\pm 3.1$ ) percent above" appears in the text, this indicates the range (-0.8 to +5.4 percent) in which the actual percent 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/](http://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/](http://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.

### Data Inquiries

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301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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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	Sep 2017 <sup>p</sup>	Aug 2017 <sup>r</sup>	Jul 2017 <sup>r</sup>	Jun 2017	May 2017	Sep 2016	Percent change Sep 2017 from -	
							Aug 2017	Sep 2016
<b>Total Construction</b>	<b>1,219,544</b>	<b>1,215,990</b>	<b>1,215,351</b>	<b>1,226,429</b>	<b>1,236,722</b>	<b>1,195,640</b>	<b>0.3</b>	<b>2.0</b>
Residential	521,445	521,341	519,639	523,562	517,649	476,373	0.0	9.5
Nonresidential	698,100	694,650	695,712	702,867	719,073	719,267	0.5	-2.9
Lodging	29,960	29,683	28,672	27,992	28,888	28,444	0.9	5.3
Office	67,195	68,006	68,510	70,332	70,593	71,597	-1.2	-6.1
Commercial	85,998	86,947	87,764	88,241	88,580	77,205	-1.1	11.4
Health care	40,388	40,498	39,270	39,530	39,887	40,161	-0.3	0.6
Educational	92,197	87,503	85,788	89,691	92,940	88,930	5.4	3.7
Religious	3,077	3,188	3,329	3,335	3,401	3,514	-3.5	-12.4
Public safety	8,091	8,110	7,786	7,670	8,128	7,725	-0.2	4.7
Amusement and recreation	23,870	23,500	23,743	23,250	23,689	22,126	1.6	7.9
Transportation	43,557	42,033	41,198	42,192	43,365	41,173	3.6	5.8
Communication	22,848	22,958	23,050	23,308	21,752	21,996	-0.5	3.9
Power	99,185	99,858	99,838	99,830	101,323	108,846	-0.7	-8.9
Highway and street	84,521	83,661	85,570	85,399	88,055	91,212	1.0	-7.3
Sewage and waste disposal	19,294	19,376	19,436	18,837	18,975	21,601	-0.4	-10.7
Water supply	11,508	11,634	11,110	11,510	11,679	12,679	-1.1	-9.2
Conservation and development	7,395	6,584	6,729	6,610	7,067	8,009	12.3	-7.7
Manufacturing	59,017	61,112	63,920	65,140	70,751	74,049	-3.4	-20.3
<b>Total Private Construction<sup>1</sup></b>	<b>942,729</b>	<b>946,196</b>	<b>947,505</b>	<b>955,737</b>	<b>954,484</b>	<b>914,271</b>	<b>-0.4</b>	<b>3.1</b>
Residential	515,422	515,612	513,827	517,710	511,357	470,108	0.0	9.6
New single family	265,538	265,030	263,321	261,904	260,433	237,207	0.2	11.9
New multi-family	62,014	61,637	61,760	62,522	62,617	61,488	0.6	0.9
Nonresidential	427,308	430,584	433,678	438,027	443,127	444,162	-0.8	-3.8
Lodging	28,467	28,260	27,571	27,029	28,425	28,069	0.7	1.4
Office	58,754	59,424	60,555	62,225	61,990	63,481	-1.1	-7.4
Commercial	82,904	83,714	84,517	85,149	84,813	74,211	-1.0	11.7
Health care	31,420	30,812	30,331	30,336	30,149	31,336	2.0	0.3
Educational	20,298	19,170	19,092	20,147	19,901	21,115	5.9	-3.9
Religious	3,077	3,188	3,329	3,335	3,401	3,514	-3.5	-12.4
Amusement and recreation	13,639	13,651	13,404	13,093	12,994	12,453	-0.1	9.5
Transportation	14,830	14,669	13,890	14,039	13,959	12,154	1.1	22.0
Communication	22,743	22,794	22,944	23,157	21,635	21,897	-0.2	3.9
Power	92,482	93,821	93,959	94,402	95,077	101,740	-1.4	-9.1
Manufacturing	58,227	60,404	63,291	64,267	70,075	73,264	-3.6	-20.5
<b>Total Public Construction<sup>2</sup></b>	<b>276,815</b>	<b>269,795</b>	<b>267,845</b>	<b>270,693</b>	<b>282,238</b>	<b>281,370</b>	<b>2.6</b>	<b>-1.6</b>
Residential	6,023	5,729	5,812	5,852	6,292	6,265	5.1	-3.9
Nonresidential	270,792	264,065	262,034	264,840	275,946	275,105	2.5	-1.6
Office	8,441	8,582	7,955	8,107	8,603	8,116	-1.6	4.0
Commercial	3,094	3,234	3,247	3,092	3,767	2,994	-4.3	3.3
Health care	8,968	9,686	8,939	9,194	9,738	8,825	-7.4	1.6
Educational	71,899	68,333	66,696	69,544	73,039	67,815	5.2	6.0
Public safety	8,059	8,072	7,750	7,609	8,055	7,618	-0.2	5.8
Amusement and recreation	10,231	9,849	10,340	10,157	10,695	9,674	3.9	5.8
Transportation	28,727	27,364	27,308	28,153	29,406	29,018	5.0	-1.0
Power	6,703	6,037	5,879	5,429	6,247	7,106	11.0	-5.7
Highway and street	84,313	83,392	85,321	85,111	87,857	91,034	1.1	-7.4
Sewage and waste disposal	19,196	19,223	19,190	18,683	18,824	21,265	-0.1	-9.7
Water supply	11,394	11,443	10,888	11,186	11,419	12,425	-0.4	-8.3
Conservation and development	7,381	6,556	6,686	6,588	7,039	7,956	12.6	-7.2

<sup>p</sup>Preliminary <sup>r</sup>Revised

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

<sup>2</sup>Includes 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, November 1, 2017. 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](http://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	Sep 2017 <sup>P</sup>	Aug 2017 <sup>F</sup>	Jul 2017 <sup>F</sup>	Jun 2017	May 2017	Sep 2016	Year-to-date		
							Sep 2017	Sep 2016	Percent change
<b>Total Construction</b>	<b>110,917</b>	<b>112,506</b>	<b>111,869</b>	<b>112,282</b>	<b>106,360</b>	<b>109,711</b>	<b>917,013</b>	<b>879,584</b>	<b>4.3</b>
Residential	46,966	48,124	49,191	49,081	45,108	43,227	390,811	350,577	11.5
Nonresidential	63,951	64,382	62,679	63,201	61,251	66,484	526,201	529,008	-0.5
Lodging	2,584	2,543	2,414	2,374	2,480	2,452	21,200	19,814	7.0
Office	6,043	5,945	5,854	6,030	6,031	6,450	51,901	48,837	6.3
Commercial	7,703	7,789	7,646	7,759	7,639	6,997	64,339	55,712	15.5
Health care	3,622	3,526	3,292	3,413	3,410	3,587	29,486	29,043	1.5
Educational	8,301	8,920	8,791	8,930	7,930	7,992	69,272	68,396	1.3
Religious	281	300	293	290	281	325	2,406	2,650	-9.2
Public safety	773	714	639	669	676	748	5,915	5,895	0.3
Amusement and recreation	2,092	2,084	2,076	2,021	2,062	1,977	17,558	16,566	6.0
Transportation	3,944	3,802	3,620	3,822	3,759	3,870	31,373	31,523	-0.5
Communication	1,960	2,033	1,896	2,027	1,777	1,975	16,513	15,708	5.1
Power	8,322	8,262	8,317	8,476	8,480	9,135	74,130	77,951	-4.9
Highway and street	9,586	9,814	9,156	8,541	7,618	10,426	64,918	67,815	-4.3
Sewage and waste disposal	1,791	1,813	1,738	1,693	1,633	2,031	14,336	17,384	-17.5
Water supply	1,034	1,025	974	1,016	992	1,135	8,443	9,405	-10.2
Conservation and development	726	580	547	559	575	827	5,144	5,764	-10.8
Manufacturing	5,189	5,231	5,427	5,584	5,909	6,560	49,269	56,547	-12.9
<b>Total Private Construction<sup>1</sup></b>	<b>83,573</b>	<b>84,919</b>	<b>85,712</b>	<b>86,408</b>	<b>82,288</b>	<b>81,564</b>	<b>710,034</b>	<b>663,112</b>	<b>7.1</b>
Residential	46,410	47,618	48,686	48,552	44,558	42,648	386,284	345,706	11.7
New single family	24,725	24,773	24,272	23,331	22,146	22,081	195,343	179,364	8.9
New multi-family	5,261	5,445	5,121	5,452	5,327	5,284	47,117	45,176	4.3
Nonresidential	37,163	37,301	37,027	37,856	37,730	38,916	323,750	317,406	2.0
Lodging	2,459	2,424	2,322	2,293	2,442	2,421	20,624	19,464	6.0
Office	5,230	5,190	5,185	5,320	5,284	5,669	45,720	42,891	6.6
Commercial	7,394	7,491	7,373	7,475	7,316	6,701	61,909	53,369	16.0
Health care	2,801	2,695	2,538	2,612	2,603	2,773	22,587	22,668	-0.4
Educational	1,681	1,769	1,757	1,919	1,818	1,755	15,410	14,884	3.5
Religious	281	300	293	290	281	325	2,406	2,650	-9.2
Amusement and recreation	1,167	1,172	1,167	1,098	1,112	1,080	9,685	8,774	10.4
Transportation	1,293	1,279	1,239	1,298	1,257	1,112	10,121	9,688	4.5
Communication	1,951	2,019	1,887	2,014	1,767	1,967	16,427	15,584	5.4
Power	7,737	7,729	7,822	7,951	7,935	8,529	69,559	70,639	-1.5
Manufacturing	5,123	5,172	5,375	5,511	5,853	6,495	48,734	56,034	-13.0
<b>Total Public Construction<sup>2</sup></b>	<b>27,344</b>	<b>27,587</b>	<b>26,157</b>	<b>25,874</b>	<b>24,071</b>	<b>28,147</b>	<b>206,979</b>	<b>216,472</b>	<b>-4.4</b>
Residential	556	505	505	529	550	579	4,527	4,871	-7.1
Nonresidential	26,788	27,082	25,652	25,346	23,521	27,568	202,451	211,602	-4.3
Office	814	755	669	710	747	781	6,181	5,946	4.0
Commercial	309	299	273	284	323	295	2,430	2,343	3.7
Health care	821	832	753	801	807	814	6,899	6,376	8.2
Educational	6,619	7,151	7,034	7,011	6,112	6,237	53,862	53,512	0.7
Public safety	770	711	636	664	669	739	5,866	5,819	0.8
Amusement and recreation	925	912	910	923	950	897	7,873	7,793	1.0
Transportation	2,651	2,524	2,380	2,524	2,501	2,758	21,253	21,835	-2.7
Power	585	533	495	525	546	606	4,571	7,312	-37.5
Highway and street	9,565	9,789	9,133	8,516	7,601	10,407	64,737	67,602	-4.2
Sewage and waste disposal	1,782	1,799	1,717	1,679	1,619	1,998	14,193	17,105	-17.0
Water supply	1,023	1,008	956	988	970	1,111	8,267	9,268	-10.8
Conservation and development	725	578	544	557	572	822	5,122	5,706	-10.2

<sup>P</sup>Preliminary <sup>F</sup>Revised

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

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

Source: U.S. Census Bureau, Construction Spending, November 1, 2017.

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](http://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
<b>Total Construction</b>	<b>0.9</b>	<b>0.5</b>	<b>0.7</b>	<b>0.8</b>	<b>1.0</b>
Residential	5.8	4.8	4.5	2.3	7.4
Nonresidential	0.9	0.6	0.7	0.8	1.0
Lodging	2.0	1.5	2.0	1.0	2.8
Office	2.3	1.4	1.7	1.0	1.7
Commercial	2.8	2.3	2.5	1.7	2.7
Health care	2.0	1.5	2.2	2.2	3.0
Educational	1.8	1.3	1.9	1.4	2.6
Religious	6.9	4.8	6.2	5.7	7.6
Public safety	3.0	2.2	2.9	2.7	4.1
Amusement and recreation	3.7	2.5	3.3	1.8	3.9
Transportation	1.7	1.3	1.7	1.2	3.9
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.3	0.2	0.3
Highway and street	3.9	2.1	3.0	3.4	4.2
Sewage and waste disposal	3.8	2.8	2.9	4.0	4.4
Water supply	4.5	3.0	3.3	4.0	5.0
Conservation and development	4.0	2.2	2.7	1.5	3.2
Manufacturing	0.8	0.6	0.7	0.7	0.8
<b>Total Private Construction</b>	<b>0.9</b>	<b>0.7</b>	<b>0.8</b>	<b>0.6</b>	<b>0.9</b>
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	4.8	4.8	1.7	5.4
Nonresidential	0.9	0.7	0.8	0.6	0.9
Lodging	2.0	1.5	1.9	1.0	2.6
Office	2.6	1.6	1.9	1.1	1.8
Commercial	2.9	2.4	2.6	1.8	2.8
Health care	2.4	1.8	2.6	2.8	3.6
Educational	2.8	2.3	3.0	2.4	3.9
Religious	6.9	4.8	6.2	5.7	7.6
Amusement and recreation	3.0	2.4	3.6	1.6	4.7
Transportation	2.9	2.6	4.6	2.6	8.9
Communication	NA	NA	NA	NA	NA
Power	0.2	0.3	0.3	0.1	0.2
Manufacturing	0.8	0.6	0.7	0.7	0.8
<b>Total Public Construction</b>	<b>1.5</b>	<b>0.9</b>	<b>1.2</b>	<b>1.4</b>	<b>1.9</b>
Residential	5.7	4.5	4.0	2.3	6.1
Nonresidential	1.5	0.9	1.2	1.4	1.9
Office	3.4	2.1	3.0	2.3	4.2
Commercial	6.4	5.4	9.4	3.1	5.9
Health care	2.8	2.2	2.9	2.2	3.3
Educational	2.2	1.6	2.3	1.7	3.1
Public safety	3.0	2.2	2.9	2.7	4.1
Amusement and recreation	7.0	4.6	5.5	3.5	6.6
Transportation	2.0	1.4	1.8	1.3	4.0
Power	4.5	5.0	2.6	5.9	7.0
Highway and street	3.9	2.1	3.0	3.4	4.3
Sewage and waste disposal	3.9	2.8	2.9	4.1	4.5
Water supply	4.5	2.9	3.3	4.1	5.1
Conservation and development	4.0	2.1	2.7	1.5	3.2

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, November 1, 2017. Additional information on the survey methodology may be found at [www.census.gov/construction/c30/meth.html](http://www.census.gov/construction/c30/meth.html).