

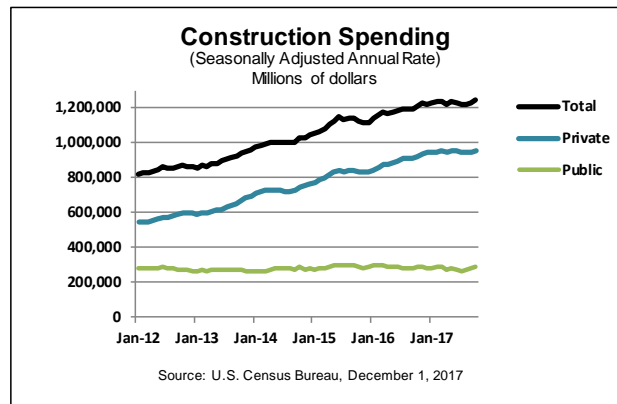
FOR RELEASE AT 10:00 AM EST, FRIDAY, DECEMBER 1, 2017

## MONTHLY CONSTRUCTION SPENDING, OCTOBER 2017

Release Number: CB17-193

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

CONSTRUCTION SPENDING	
OCTOBER 2017	\$1,241.5 billion
SEPTEMBER 2017 (revised)	\$1,224.6 billion
Next release: January 3, 2018	
Seasonally Adjusted Annual Rate	
Source: U.S. Census Bureau, December 1, 2017	



### Total Construction

Construction spending during October 2017 was estimated at a seasonally adjusted annual rate of \$1,241.5 billion, 1.4 percent ( $\pm 1.5$  percent)\* above the revised September estimate of \$1,224.6 billion. The October figure is 2.9 percent ( $\pm 1.6$  percent) above the October 2016 estimate of \$1,206.6 billion. During the first 10 months of this year, construction spending amounted to \$1,029.6 billion, 4.1 percent ( $\pm 1.2$  percent) above the \$988.8 billion for the same period in 2016.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$949.9 billion, 0.6 percent ( $\pm 0.8$  percent)\* above the revised September estimate of \$943.8 billion. Residential construction was at a seasonally adjusted annual rate of \$517.7 billion in October, 0.4 percent ( $\pm 1.3$  percent)\* above the revised September estimate of \$515.4 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$432.2 billion in October, 0.9 percent ( $\pm 0.8$  percent) above the revised September estimate of \$428.4 billion.

### Public Construction

In October, the estimated seasonally adjusted annual rate of public construction spending was \$291.6 billion, 3.9 percent ( $\pm 2.6$  percent) above the revised September estimate of \$280.7 billion. Educational construction was at a seasonally adjusted annual rate of \$79.0 billion, 10.9 percent ( $\pm 2.5$  percent) above the revised September estimate of \$71.2 billion. Highway construction was at a seasonally adjusted annual rate of \$86.8 billion, 1.1 percent ( $\pm 6.3$  percent)\* above the revised September estimate of \$85.9 billion.

#### Data Inquiries

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#### Media Inquiries

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

## General Information

The November 2017 Monthly Construction Spending Report is scheduled for release on January 3, 2018. 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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**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	Oct 2017 <sup>P</sup>	Sep 2017 <sup>r</sup>	Aug 2017 <sup>r</sup>	Jul 2017	Jun 2017	Oct 2016	Percent change Oct 2017 from -	
							Sep 2017	Oct 2016
<b>Total Construction</b>	<b>1,241,538</b>	<b>1,224,551</b>	<b>1,220,897</b>	<b>1,215,351</b>	<b>1,226,429</b>	<b>1,206,574</b>	<b>1.4</b>	<b>2.9</b>
Residential	523,914	521,809	522,920	519,639	523,562	488,950	0.4	7.2
Nonresidential	717,625	702,742	697,977	695,712	702,867	717,624	2.1	0.0
Lodging	30,180	29,569	29,534	28,672	27,992	26,864	2.1	12.3
Office	69,079	65,574	66,295	68,510	70,332	71,503	5.3	-3.4
Commercial	84,250	85,647	86,199	87,764	88,241	78,909	-1.6	6.8
Health care	41,931	40,796	40,844	39,270	39,530	38,353	2.8	9.3
Educational	100,456	92,172	90,062	85,788	89,691	89,704	9.0	12.0
Religious	3,107	3,225	3,187	3,329	3,335	3,111	-3.7	-0.1
Public safety	8,656	8,104	8,285	7,786	7,670	8,146	6.8	6.3
Amusement and recreation	23,299	24,156	23,334	23,743	23,250	22,904	-3.5	1.7
Transportation	46,793	45,075	43,298	41,198	42,192	41,244	3.8	13.5
Communication	22,798	22,796	22,924	23,050	23,308	22,323	0.0	2.1
Power	98,772	99,140	99,546	99,838	99,830	106,793	-0.4	-7.5
Highway and street	86,994	86,093	84,753	85,570	85,399	95,048	1.0	-8.5
Sewage and waste disposal	19,450	19,687	19,492	19,436	18,837	21,585	-1.2	-9.9
Water supply	11,844	11,640	11,573	11,110	11,510	11,825	1.8	0.2
Conservation and development	8,209	7,870	7,030	6,729	6,610	7,398	4.3	11.0
Manufacturing	61,808	61,197	61,621	63,920	65,140	71,918	1.0	-14.1
<b>Total Private Construction<sup>1</sup></b>	<b>949,946</b>	<b>943,846</b>	<b>945,808</b>	<b>947,505</b>	<b>955,737</b>	<b>920,097</b>	<b>0.6</b>	<b>3.2</b>
Residential	517,703	515,409	516,569	513,827	517,710	482,029	0.4	7.4
New single family	267,246	266,474	265,540	263,321	261,904	245,398	0.3	8.9
New multi-family	60,903	61,912	61,928	61,760	62,522	62,177	-1.6	-2.0
Nonresidential	432,243	428,437	429,238	433,678	438,027	438,068	0.9	-1.3
Lodging	28,804	28,160	28,170	27,571	27,029	26,499	2.3	8.7
Office	59,487	56,986	57,749	60,555	62,225	63,638	4.4	-6.5
Commercial	81,059	82,593	83,060	84,517	85,149	75,834	-1.9	6.9
Health care	32,021	31,631	31,078	30,331	30,336	29,657	1.2	8.0
Educational	21,502	20,981	19,449	19,092	20,147	20,807	2.5	3.3
Religious	3,107	3,225	3,187	3,329	3,335	3,111	-3.7	-0.1
Amusement and recreation	13,209	13,472	13,349	13,404	13,093	12,709	-2.0	3.9
Transportation	16,628	15,506	15,413	13,890	14,039	11,784	7.2	41.1
Communication	22,661	22,692	22,759	22,944	23,157	22,202	-0.1	2.1
Power	91,962	92,202	93,403	93,959	94,402	99,528	-0.3	-7.6
Manufacturing	61,201	60,435	60,924	63,291	64,267	71,405	1.3	-14.3
<b>Total Public Construction<sup>2</sup></b>	<b>291,592</b>	<b>280,705</b>	<b>275,089</b>	<b>267,845</b>	<b>270,693</b>	<b>286,477</b>	<b>3.9</b>	<b>1.8</b>
Residential	6,210	6,400	6,351	5,812	5,852	6,921	-3.0	-10.3
Nonresidential	285,382	274,305	268,738	262,034	264,840	279,556	4.0	2.1
Office	9,592	8,588	8,546	7,955	8,107	7,865	11.7	22.0
Commercial	3,191	3,054	3,139	3,247	3,092	3,075	4.5	3.8
Health care	9,910	9,165	9,766	8,939	9,194	8,696	8.1	14.0
Educational	78,953	71,191	70,613	66,696	69,544	68,897	10.9	14.6
Public safety	8,535	8,070	8,247	7,750	7,609	8,046	5.8	6.1
Amusement and recreation	10,090	10,684	9,984	10,340	10,157	10,196	-5.6	-1.0
Transportation	30,165	29,569	27,885	27,308	28,153	29,459	2.0	2.4
Power	6,809	6,938	6,143	5,879	5,429	7,264	-1.9	-6.3
Highway and street	86,823	85,893	84,483	85,321	85,111	94,875	1.1	-8.5
Sewage and waste disposal	19,344	19,567	19,338	19,190	18,683	21,258	-1.1	-9.0
Water supply	11,648	11,457	11,368	10,888	11,186	11,579	1.7	0.6
Conservation and development	8,202	7,854	7,002	6,686	6,588	7,347	4.4	11.6

<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, December 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	Oct 2017 <sup>P</sup>	Sep 2017 <sup>F</sup>	Aug 2017 <sup>F</sup>	Jul 2017	Jun 2017	Oct 2016	Year-to-date		
							Oct 2017	Oct 2016	Percent change
<b>Total Construction</b>	<b>111,814</b>	<b>111,089</b>	<b>113,101</b>	<b>111,869</b>	<b>112,282</b>	<b>109,196</b>	<b>1,029,593</b>	<b>988,780</b>	<b>4.1</b>
Residential	47,446	46,809	48,394	49,191	49,081	44,447	438,371	395,023	11.0
Nonresidential	64,368	64,280	64,707	62,679	63,201	64,750	591,222	593,757	-0.4
Lodging	2,623	2,550	2,533	2,414	2,374	2,334	23,780	22,148	7.4
Office	6,002	5,840	5,728	5,854	6,030	6,282	57,483	55,119	4.3
Commercial	7,617	7,670	7,719	7,646	7,759	7,206	71,852	62,918	14.2
Health care	3,631	3,640	3,564	3,292	3,413	3,285	33,172	32,328	2.6
Educational	8,381	8,193	9,192	8,791	8,930	7,411	77,817	75,807	2.7
Religious	283	298	296	293	290	282	2,701	2,932	-7.9
Public safety	752	769	729	639	669	695	6,678	6,589	1.4
Amusement and recreation	2,092	2,120	2,074	2,076	2,021	2,056	19,668	18,622	5.6
Transportation	4,225	4,055	3,906	3,620	3,822	3,786	35,813	35,309	1.4
Communication	2,043	1,960	2,033	1,896	2,027	1,968	18,556	17,676	5.0
Power	8,536	8,310	8,225	8,317	8,476	9,364	82,618	87,315	-5.4
Highway and street	9,175	9,790	9,958	9,156	8,541	10,028	74,440	77,843	-4.4
Sewage and waste disposal	1,857	1,841	1,822	1,738	1,693	2,057	16,251	19,441	-16.4
Water supply	1,074	1,051	1,024	974	1,016	1,082	9,532	10,486	-9.1
Conservation and development	707	767	616	547	559	607	5,927	6,371	-7.0
Manufacturing	5,371	5,427	5,288	5,427	5,584	6,309	54,935	62,855	-12.6
<b>Total Private Construction<sup>1</sup></b>	<b>84,763</b>	<b>83,429</b>	<b>84,938</b>	<b>85,712</b>	<b>86,408</b>	<b>82,504</b>	<b>794,672</b>	<b>745,616</b>	<b>6.6</b>
Residential	46,875	46,207	47,823	48,686	48,552	43,819	433,161	389,525	11.2
New single family	24,315	24,801	24,802	24,272	23,331	22,287	219,763	201,651	9.0
New multi-family	5,281	5,304	5,511	5,121	5,452	5,380	52,508	50,556	3.9
Nonresidential	37,887	37,222	37,115	37,027	37,856	38,685	361,511	356,091	1.5
Lodging	2,508	2,433	2,420	2,322	2,293	2,304	23,101	21,768	6.1
Office	5,185	5,022	4,983	5,185	5,320	5,618	50,491	48,509	4.1
Commercial	7,356	7,369	7,431	7,373	7,475	6,954	69,180	60,323	14.7
Health care	2,817	2,806	2,721	2,538	2,612	2,572	25,435	25,240	0.8
Educational	1,778	1,736	1,793	1,757	1,919	1,696	17,267	16,580	4.1
Religious	283	298	296	293	290	282	2,701	2,932	-7.9
Amusement and recreation	1,154	1,154	1,143	1,167	1,098	1,118	10,798	9,892	9.2
Transportation	1,470	1,342	1,338	1,239	1,298	1,104	11,699	10,792	8.4
Communication	2,032	1,951	2,019	1,887	2,014	1,958	18,459	17,542	5.2
Power	7,932	7,695	7,678	7,822	7,951	8,733	77,398	79,372	-2.5
Manufacturing	5,321	5,363	5,230	5,375	5,511	6,266	54,353	62,300	-12.8
<b>Total Public Construction<sup>2</sup></b>	<b>27,051</b>	<b>27,659</b>	<b>28,163</b>	<b>26,157</b>	<b>25,874</b>	<b>26,692</b>	<b>234,922</b>	<b>243,164</b>	<b>-3.4</b>
Residential	571	602	571	505	529	628	5,210	5,498	-5.2
Nonresidential	26,480	27,057	27,592	25,652	25,346	26,064	229,712	237,666	-3.3
Office	817	818	745	669	710	664	6,993	6,610	5.8
Commercial	261	300	289	273	284	252	2,672	2,595	3.0
Health care	814	834	843	753	801	713	7,737	7,088	9.2
Educational	6,603	6,456	7,399	7,034	7,011	5,715	60,550	59,227	2.2
Public safety	741	766	726	636	664	685	6,618	6,504	1.8
Amusement and recreation	937	967	931	910	923	937	8,870	8,730	1.6
Transportation	2,755	2,713	2,568	2,380	2,524	2,682	24,114	24,517	-1.6
Power	604	616	547	495	525	631	5,220	7,943	-34.3
Highway and street	9,161	9,769	9,933	9,133	8,516	10,013	74,246	77,615	-4.3
Sewage and waste disposal	1,848	1,830	1,808	1,717	1,679	2,027	16,097	19,132	-15.9
Water supply	1,057	1,033	1,006	956	988	1,059	9,332	10,327	-9.6
Conservation and development	707	765	613	544	557	603	5,904	6,309	-6.4

<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, December 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>0.9</b>	<b>1.0</b>
Residential	5.8	4.8	4.7	1.9	7.5
Nonresidential	0.9	0.5	0.7	0.9	1.0
Lodging	2.1	1.6	2.1	1.1	3.0
Office	2.2	1.4	1.5	1.1	1.7
Commercial	2.8	2.1	2.2	1.3	2.2
Health care	2.0	1.5	2.1	1.5	2.7
Educational	1.8	1.3	1.9	1.3	2.5
Religious	6.8	4.4	6.1	7.2	8.4
Public safety	3.1	2.3	2.8	2.6	4.4
Amusement and recreation	3.7	2.4	3.1	1.9	3.3
Transportation	1.7	1.2	1.6	1.8	2.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.3	0.3	0.5
Highway and street	3.9	1.9	2.8	3.8	4.1
Sewage and waste disposal	3.9	2.7	2.8	3.9	4.7
Water supply	4.5	2.8	3.1	3.3	4.8
Conservation and development	3.8	1.9	2.6	1.9	4.5
Manufacturing	0.8	0.8	0.7	0.5	0.9
<b>Total Private Construction</b>	<b>0.9</b>	<b>0.6</b>	<b>0.7</b>	<b>0.5</b>	<b>0.8</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	4.5	4.5	1.7	4.7
Nonresidential	0.9	0.6	0.7	0.5	0.8
Lodging	2.1	1.5	2.0	1.1	2.8
Office	2.5	1.5	1.7	1.2	1.7
Commercial	2.8	2.2	2.3	1.4	2.3
Health care	2.5	1.7	2.5	1.8	3.2
Educational	2.8	2.3	2.9	2.0	3.8
Religious	6.8	4.4	6.1	7.2	8.4
Amusement and recreation	3.0	2.3	3.4	1.6	4.2
Transportation	2.8	2.4	4.9	2.6	10.4
Communication	NA	NA	NA	NA	NA
Power	0.2	0.3	0.3	0.1	0.4
Manufacturing	0.8	0.8	0.7	0.5	0.9
<b>Total Public Construction</b>	<b>1.5</b>	<b>0.8</b>	<b>1.2</b>	<b>1.6</b>	<b>1.9</b>
Residential	5.7	4.8	4.7	1.9	7.5
Nonresidential	1.5	0.8	1.2	1.6	1.9
Office	3.3	2.1	3.0	3.3	5.1
Commercial	6.4	5.0	8.4	4.2	8.2
Health care	2.8	2.2	2.9	2.9	3.8
Educational	2.2	1.6	2.2	1.5	3.1
Public safety	3.1	2.3	2.9	2.4	4.3
Amusement and recreation	7.0	4.4	5.3	3.4	5.2
Transportation	2.0	1.4	1.7	2.0	2.7
Power	4.5	4.6	2.6	5.3	5.2
Highway and street	3.9	1.9	2.8	3.8	4.1
Sewage and waste disposal	3.9	2.7	2.8	4.0	4.8
Water supply	4.5	2.7	3.0	3.4	4.9
Conservation and development	3.8	1.9	2.6	1.9	4.6

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, December 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).