

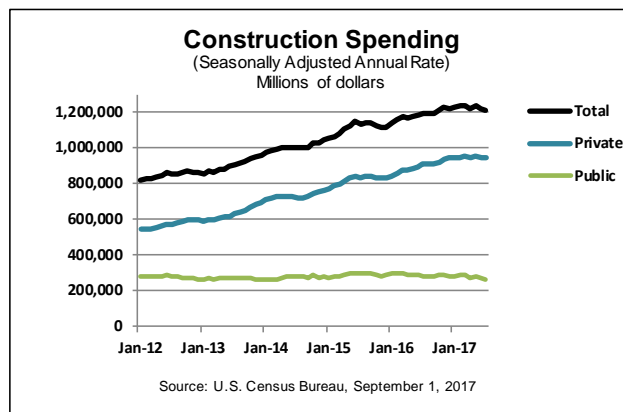
FOR RELEASE AT 10:00 AM EDT, SEPTEMBER 1, 2017

## MONTHLY CONSTRUCTION SPENDING, JULY 2017

Release Number: CB17-146

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

 <b>CONSTRUCTION SPENDING</b>	
<b>JULY 2017</b>	<b>\$1,211.5 billion</b>
<b>JUNE 2017 (revised)</b>	<b>\$1,219.2 billion</b>
<b>Next release: October 2, 2017</b>	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, September 1, 2017	



### Total Construction

Construction spending during July 2017 was estimated at a seasonally adjusted annual rate of \$1,211.5 billion, 0.6 percent ( $\pm 1.5$  percent)\* below the revised June estimate of \$1,219.2 billion. The July figure is 1.8 percent ( $\pm 1.8$  percent)\* above the July 2016 estimate of \$1,189.8 billion. During the first 7 months of this year, construction spending amounted to \$691.2 billion, 4.7 percent ( $\pm 1.3$  percent) above the \$659.9 billion for the same period in 2016.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$945.5 billion, 0.4 percent ( $\pm 1.0$  percent)\* below the revised June estimate of \$949.4 billion. Residential construction was at a seasonally adjusted annual rate of \$517.5 billion in July, 0.8 percent ( $\pm 1.3$  percent)\* above the revised June estimate of \$513.2 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$428.0 billion in July, 1.9 percent ( $\pm 1.0$  percent) below the revised June estimate of \$436.2 billion.

### Public Construction

In July, the estimated seasonally adjusted annual rate of public construction spending was \$266.0 billion, 1.4 percent ( $\pm 2.6$  percent)\* below the revised June estimate of \$269.8 billion. Educational construction was at a seasonally adjusted annual rate of \$66.2 billion, 4.4 percent ( $\pm 3.9$  percent) below the revised June estimate of \$69.2 billion. Highway construction was at a seasonally adjusted annual rate of \$84.8 billion, 0.1 percent ( $\pm 6.9$  percent)\* above the revised June estimate of \$84.7 billion.

### Notice

New Length of Time data for Private Nonresidential, Private Multifamily and State and Local Construction are available. Go to the Related Studies menu on our website.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
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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 August 2017 Monthly Construction Spending Report is scheduled for release on October 2, 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/)>.

## America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the U.S. Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis.

<[www.census.gov/mobile/economy/](http://www.census.gov/mobile/economy/)>

## 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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[census.gov](http://census.gov)

**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	Jul 2017 <sup>p</sup>	Jun 2017 <sup>r</sup>	May 2017 <sup>r</sup>	Apr 2017	Mar 2017	Jul 2016	Percent change Jul 2017 from -	
							Jun 2017	Jul 2016
<b>Total Construction</b>	<b>1,211,508</b>	<b>1,219,237</b>	<b>1,236,722</b>	<b>1,217,658</b>	<b>1,239,564</b>	<b>1,189,799</b>	<b>-0.6</b>	<b>1.8</b>
Residential	523,089	518,979	517,649	513,487	516,631	470,203	0.8	11.2
Nonresidential	688,419	700,258	719,073	704,171	722,933	719,597	-1.7	-4.3
Lodging	27,193	27,941	28,888	27,279	28,161	27,348	-2.7	-0.6
Office	69,938	70,840	70,593	68,728	70,972	70,048	-1.3	-0.2
Commercial	82,429	86,397	88,580	86,034	84,282	76,493	-4.6	7.8
Health care	38,483	39,317	39,887	38,636	39,591	38,715	-2.1	-0.6
Educational	85,130	88,985	92,940	88,590	92,209	89,109	-4.3	-4.5
Religious	3,133	3,275	3,401	3,163	3,231	3,548	-4.3	-11.7
Public safety	7,987	7,580	8,128	7,975	8,179	7,786	5.4	2.6
Amusement and recreation	23,189	23,528	23,689	23,246	23,996	22,572	-1.4	2.7
Transportation	41,701	42,038	43,365	42,445	43,238	43,645	-0.8	-4.5
Communication	21,853	22,220	21,752	22,136	22,623	21,745	-1.7	0.5
Power	99,986	99,448	101,323	98,589	101,548	109,696	0.5	-8.9
Highway and street	84,995	85,005	88,055	89,984	94,519	89,116	0.0	-4.6
Sewage and waste disposal	18,805	18,864	18,975	18,847	19,829	21,675	-0.3	-13.2
Water supply	10,923	11,267	11,679	11,826	11,109	12,268	-3.1	-11.0
Conservation and development	6,506	6,682	7,067	6,795	7,284	7,393	-2.6	-12.0
Manufacturing	66,169	66,872	70,751	69,898	72,163	78,441	-1.1	-15.6
<b>Total Private Construction<sup>1</sup></b>	<b>945,484</b>	<b>949,390</b>	<b>954,484</b>	<b>942,600</b>	<b>950,845</b>	<b>907,867</b>	<b>-0.4</b>	<b>4.1</b>
Residential	517,491	513,232	511,357	507,841	509,933	463,836	0.8	11.6
New single family	264,109	262,012	260,433	260,738	258,415	239,207	0.8	10.4
New multi-family	60,997	61,508	62,617	64,553	64,179	59,470	-0.8	2.6
Nonresidential	427,994	436,159	443,127	434,759	440,912	444,031	-1.9	-3.6
Lodging	26,822	27,457	28,425	26,899	27,798	26,848	-2.3	-0.1
Office	62,057	62,705	61,990	61,179	62,621	62,133	-1.0	-0.1
Commercial	79,314	83,221	84,813	82,779	81,126	73,698	-4.7	7.6
Health care	29,204	29,912	30,149	29,392	30,129	30,169	-2.4	-3.2
Educational	18,951	19,754	19,901	20,046	20,504	20,770	-4.1	-8.8
Religious	3,133	3,275	3,401	3,163	3,231	3,548	-4.3	-11.7
Amusement and recreation	13,033	13,292	12,994	12,776	12,285	12,096	-1.9	7.7
Transportation	13,873	13,991	13,959	12,709	13,481	13,396	-0.8	3.6
Communication	21,749	22,042	21,635	22,067	22,518	21,610	-1.3	0.6
Power	93,633	93,756	95,077	93,713	95,078	100,936	-0.1	-7.2
Manufacturing	65,584	65,941	70,075	69,239	71,310	77,841	-0.5	-15.7
<b>Total Public Construction<sup>2</sup></b>	<b>266,024</b>	<b>269,847</b>	<b>282,238</b>	<b>275,058</b>	<b>288,719</b>	<b>281,932</b>	<b>-1.4</b>	<b>-5.6</b>
Residential	5,599	5,747	6,292	5,646	6,698	6,367	-2.6	-12.1
Nonresidential	260,425	264,099	275,946	269,412	282,021	275,566	-1.4	-5.5
Office	7,881	8,135	8,603	7,549	8,350	7,916	-3.1	-0.4
Commercial	3,115	3,176	3,767	3,254	3,156	2,795	-1.9	11.4
Health care	9,279	9,405	9,738	9,243	9,461	8,546	-1.3	8.6
Educational	66,179	69,231	73,039	68,544	71,704	68,339	-4.4	-3.2
Public safety	7,955	7,519	8,055	7,889	8,128	7,665	5.8	3.8
Amusement and recreation	10,156	10,236	10,695	10,471	11,711	10,475	-0.8	-3.0
Transportation	27,828	28,047	29,406	29,736	29,756	30,249	-0.8	-8.0
Power	6,353	5,692	6,247	4,876	6,470	8,760	11.6	-27.5
Highway and street	84,792	84,721	87,857	89,770	94,273	88,937	0.1	-4.7
Sewage and waste disposal	18,698	18,731	18,824	18,628	19,569	21,274	-0.2	-12.1
Water supply	10,643	10,955	11,419	11,573	10,860	12,091	-2.8	-12.0
Conservation and development	6,487	6,660	7,039	6,771	7,260	7,285	-2.6	-11.0

<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, September 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	Jul 2017 <sup>p</sup>	Jun 2017 <sup>r</sup>	May 2017 <sup>r</sup>	Apr 2017	Mar 2017	Jul 2016	Year-to-date		
							Jul 2017	Jul 2016	Percent change
<b>Total Construction</b>	<b>110,678</b>	<b>111,065</b>	<b>106,360</b>	<b>98,545</b>	<b>95,617</b>	<b>109,320</b>	<b>691,181</b>	<b>659,854</b>	<b>4.7</b>
Residential	48,933	48,098	45,108	42,813	41,359	44,412	294,482	263,782	11.6
Nonresidential	61,745	62,967	61,251	55,732	54,259	64,908	396,700	396,072	0.2
Lodging	2,300	2,401	2,480	2,254	2,302	2,308	15,988	15,025	6.4
Office	5,975	6,141	6,031	5,556	5,612	5,977	40,144	36,200	10.9
Commercial	7,129	7,629	7,639	7,098	6,559	6,651	48,200	41,716	15.5
Health care	3,247	3,416	3,410	3,147	3,198	3,265	22,296	22,068	1.0
Educational	8,716	8,858	7,930	6,980	6,706	9,202	51,904	51,325	1.1
Religious	272	285	281	245	255	308	1,798	1,982	-9.3
Public safety	658	662	676	642	649	640	4,440	4,478	-0.8
Amusement and recreation	2,024	2,048	2,062	1,920	1,870	1,968	13,357	12,611	5.9
Transportation	3,678	3,800	3,759	3,426	3,223	3,888	23,664	23,989	-1.4
Communication	1,770	1,908	1,777	1,695	1,764	1,758	12,275	11,820	3.8
Power	8,255	8,431	8,480	7,989	8,091	9,101	57,440	59,789	-3.9
Highway and street	9,031	8,447	7,618	6,284	5,352	9,564	45,298	47,098	-3.8
Sewage and waste disposal	1,662	1,684	1,633	1,507	1,471	1,927	10,647	13,295	-19.9
Water supply	954	995	992	973	852	1,084	6,343	7,190	-11.8
Conservation and development	524	557	575	516	585	598	3,813	4,260	-10.5
Manufacturing	5,549	5,706	5,909	5,502	5,769	6,670	39,092	43,224	-9.6
<b>Total Private Construction<sup>1</sup></b>	<b>84,765</b>	<b>85,344</b>	<b>82,288</b>	<b>77,518</b>	<b>75,741</b>	<b>81,690</b>	<b>539,529</b>	<b>500,021</b>	<b>7.9</b>
Residential	48,447	47,580	44,558	42,339	40,857	43,853	291,045	260,092	11.9
New single family	24,364	23,336	22,146	21,158	20,170	22,088	145,942	135,091	8.0
New multi-family	5,032	5,357	5,327	5,480	5,315	4,979	36,227	34,462	5.1
Nonresidential	36,317	37,764	37,730	35,179	34,884	37,836	248,484	239,929	3.6
Lodging	2,270	2,361	2,442	2,222	2,272	2,267	15,756	14,741	6.9
Office	5,310	5,420	5,284	4,953	4,948	5,310	35,525	31,754	11.9
Commercial	6,870	7,340	7,316	6,839	6,314	6,422	46,386	39,941	16.1
Health care	2,461	2,591	2,603	2,388	2,419	2,546	16,993	17,248	-1.5
Educational	1,739	1,876	1,818	1,677	1,627	1,921	11,898	11,293	5.4
Religious	272	285	281	245	255	308	1,798	1,982	-9.3
Amusement and recreation	1,135	1,123	1,112	1,054	991	1,041	7,340	6,636	10.6
Transportation	1,244	1,296	1,257	1,029	942	1,215	7,551	7,456	1.3
Communication	1,762	1,893	1,767	1,689	1,755	1,747	12,210	11,720	4.2
Power	7,702	7,882	7,935	7,575	7,600	8,357	53,904	53,724	0.3
Manufacturing	5,500	5,628	5,853	5,447	5,698	6,620	38,680	42,843	-9.7
<b>Total Public Construction<sup>2</sup></b>	<b>25,914</b>	<b>25,721</b>	<b>24,071</b>	<b>21,027</b>	<b>19,876</b>	<b>27,631</b>	<b>151,652</b>	<b>159,833</b>	<b>-5.1</b>
Residential	486	518	550	474	502	559	3,437	3,690	-6.9
Nonresidential	25,428	25,202	23,521	20,553	19,375	27,072	148,215	156,143	-5.1
Office	665	721	747	603	664	667	4,619	4,445	3.9
Commercial	259	289	323	259	245	228	1,814	1,775	2.2
Health care	786	825	807	758	780	719	5,303	4,819	10.0
Educational	6,977	6,982	6,112	5,303	5,080	7,281	40,006	40,033	-0.1
Public safety	656	657	669	635	645	631	4,397	4,421	-0.5
Amusement and recreation	889	925	950	866	879	927	6,018	5,975	0.7
Transportation	2,435	2,503	2,501	2,397	2,281	2,674	16,112	16,534	-2.6
Power	552	549	546	414	491	744	3,536	6,066	-41.7
Highway and street	9,013	8,422	7,601	6,269	5,334	9,547	45,169	46,922	-3.7
Sewage and waste disposal	1,654	1,672	1,619	1,489	1,452	1,893	10,543	13,080	-19.4
Water supply	932	968	970	954	831	1,069	6,192	7,094	-12.7
Conservation and development	523	556	572	514	583	589	3,797	4,214	-9.9

<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.

Source: U.S. Census Bureau, Construction Spending, September 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>0.6</b>	<b>0.8</b>	<b>0.9</b>	<b>1.1</b>
Residential	5.8	5.2	5.1	3.3	5.4
Nonresidential	0.9	0.6	0.8	0.9	1.1
Lodging	1.9	1.4	1.8	0.9	2.1
Office	2.5	1.5	2.1	1.4	2.3
Commercial	2.7	2.7	2.9	2.0	2.8
Health care	2.0	1.4	2.2	1.3	2.5
Educational	1.9	1.4	2.0	1.9	3.2
Religious	7.1	5.1	6.9	5.2	7.2
Public safety	3.0	2.3	3.2	2.6	4.4
Amusement and recreation	3.7	2.6	3.5	2.3	4.1
Transportation	1.8	1.3	1.7	1.3	2.3
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.3	0.2	0.4
Highway and street	3.8	2.4	3.2	4.1	4.3
Sewage and waste disposal	3.6	2.9	3.1	4.8	5.4
Water supply	4.5	3.1	3.7	3.6	5.1
Conservation and development	4.1	2.5	3.3	3.4	4.1
Manufacturing	0.8	0.6	0.7	0.6	1.1
<b>Total Private Construction</b>	<b>0.9</b>	<b>0.8</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	5.3	4.7	4.8	1.8	4.9
Nonresidential	0.9	0.8	0.8	0.6	0.9
Lodging	2.0	1.4	1.8	0.9	2.1
Office	2.8	1.7	2.3	1.6	2.5
Commercial	2.8	2.8	2.9	2.0	2.9
Health care	2.5	1.7	2.6	1.5	2.9
Educational	3.0	2.6	3.3	1.4	3.2
Religious	7.1	5.1	6.9	5.2	7.2
Amusement and recreation	3.1	2.4	3.7	2.1	3.7
Transportation	3.0	2.7	4.0	2.4	4.3
Communication	NA	NA	NA	NA	NA
Power	0.2	0.2	0.3	0.1	0.3
Manufacturing	0.8	0.6	0.7	0.5	1.1
<b>Total Public Construction</b>	<b>1.5</b>	<b>0.9</b>	<b>1.3</b>	<b>1.6</b>	<b>2.0</b>
Residential	5.8	5.2	5.1	3.3	5.4
Nonresidential	1.5	0.9	1.3	1.6	2.0
Office	3.3	2.4	3.2	2.6	3.9
Commercial	6.9	6.7	11.8	5.7	8.2
Health care	2.7	2.1	3.2	2.9	4.2
Educational	2.3	1.7	2.4	2.4	3.9
Public safety	3.0	2.3	3.2	2.6	4.4
Amusement and recreation	6.9	5.0	6.0	4.2	7.4
Transportation	2.0	1.4	1.8	1.5	2.5
Power	4.5	4.7	2.3	4.3	3.9
Highway and street	3.8	2.4	3.2	4.2	4.3
Sewage and waste disposal	3.6	2.9	3.1	4.9	5.5
Water supply	4.5	3.1	3.6	3.7	5.0
Conservation and development	4.1	2.5	3.4	3.4	4.2

NA Not applicable

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