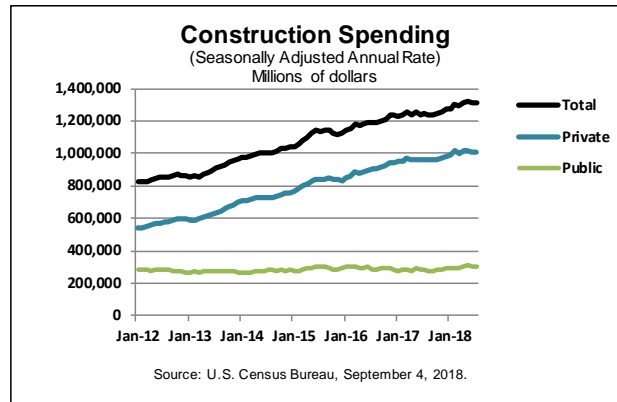


## MONTHLY CONSTRUCTION SPENDING, JULY 2018

Release Number: CB18-133

**September 4, 2018** — The U.S. Census Bureau announced the following value put in place construction statistics for July 2018:

CONSTRUCTION SPENDING	
<b>JULY 2018</b>	<b>\$1,315.4 billion</b>
<b>JUNE 2018 (revised)</b>	<b>\$1,314.2 billion</b>
<b>Next release: October 1, 2018</b>	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, September 4, 2018	



### Total Construction

Construction spending during July 2018 was estimated at a seasonally adjusted annual rate of \$1,315.4 billion, 0.1 percent ( $\pm 1.5$  percent)\* above the revised June estimate of \$1,314.2 billion. The July figure is 5.8 percent ( $\pm 1.8$  percent) above the July 2017 estimate of \$1,242.8 billion. During the first seven months of this year, construction spending amounted to \$740.5 billion, 5.2 percent ( $\pm 1.2$  percent) above the \$703.7 billion for the same period in 2017.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,010.9 billion, 0.1 percent ( $\pm 0.7$  percent)\* below the revised June estimate of \$1,011.9 billion. Residential construction was at a seasonally adjusted annual rate of \$560.1 billion in July, 0.6 percent ( $\pm 1.3$  percent)\* above the revised June estimate of \$556.7 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$450.9 billion in July, 1.0 percent ( $\pm 0.7$  percent) below the revised June estimate of \$455.3 billion.

### Public Construction

In July, the estimated seasonally adjusted annual rate of public construction spending was \$304.5 billion, 0.7 percent ( $\pm 3.0$  percent)\* above the revised June estimate of \$302.3 billion. Educational construction was at a seasonally adjusted annual rate of \$71.6 billion, 2.1 percent ( $\pm 5.9$  percent)\* above the revised June estimate of \$70.1 billion. Highway construction was at a seasonally adjusted annual rate of \$94.2 billion, 0.4 percent ( $\pm 7.1$  percent)\* above the revised June estimate of \$93.8 billion.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
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#### Media Inquiries

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## 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.

The August 2018 Monthly Construction Spending Report is scheduled for release on October 1, 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 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, 0.79 percent; private construction, 0.75 percent; and public construction, 1.73 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/)>.

## RESOURCES

### 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/)>

### FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

###

\* 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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301-763-1605  
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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU  
[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 2018 <sup>p</sup>	Jun 2018 <sup>r</sup>	May 2018 <sup>r</sup>	Apr 2018	Mar 2018	Jul 2017	Percent change Jul 2018 from -	
							Jun 2018	Jul 2017
<b>Total Construction</b>	<b>1,315,441</b>	<b>1,314,235</b>	<b>1,324,347</b>	<b>1,314,692</b>	<b>1,293,125</b>	<b>1,242,806</b>	<b>0.1</b>	<b>5.8</b>
Residential	566,595	563,177	568,812	569,988	553,217	531,344	0.6	6.6
Nonresidential	748,847	751,058	755,535	744,704	739,907	711,462	-0.3	5.3
Lodging	31,383	31,362	31,712	32,065	31,274	28,863	0.1	8.7
Office	72,545	72,543	72,997	71,453	71,272	66,689	0.0	8.8
Commercial	90,430	93,469	93,120	91,691	92,667	89,261	-3.3	1.3
Health care	41,599	41,998	42,195	41,759	41,823	41,552	-1.0	0.1
Educational	91,964	91,083	96,265	93,393	92,908	89,546	1.0	2.7
Religious	2,912	2,902	3,031	3,326	3,093	3,413	0.3	-14.7
Public safety	9,517	9,499	9,315	9,108	8,900	8,131	0.2	17.0
Amusement and recreation	26,068	26,291	25,376	25,239	25,099	25,620	-0.8	1.7
Transportation	52,646	52,619	50,941	50,413	49,446	43,707	0.1	20.5
Communication	24,508	24,487	24,691	25,242	27,553	24,662	0.1	-0.6
Power	102,676	103,238	104,319	102,383	97,187	95,048	-0.5	8.0
Highway and street	94,358	93,980	95,473	94,495	92,551	90,843	0.4	3.9
Sewage and waste disposal	22,373	22,321	22,063	21,763	22,173	20,186	0.2	10.8
Water supply	14,741	15,084	14,488	13,108	12,691	11,417	-2.3	29.1
Conservation and development	8,709	8,052	8,279	7,528	7,531	7,027	8.2	23.9
Manufacturing	62,417	62,129	61,272	61,740	63,743	65,499	0.5	-4.7
<b>Total Private Construction<sup>1</sup></b>	<b>1,010,948</b>	<b>1,011,948</b>	<b>1,016,843</b>	<b>1,015,286</b>	<b>997,921</b>	<b>961,635</b>	<b>-0.1</b>	<b>5.1</b>
Residential	560,088	556,688	561,940	563,367	546,575	524,880	0.6	6.7
New single family	287,064	287,882	288,944	286,564	286,742	270,813	-0.3	6.0
New multi-family	58,940	59,203	60,682	60,071	58,018	58,299	-0.4	1.1
Nonresidential	450,860	455,259	454,903	451,920	451,346	436,756	-1.0	3.2
Lodging	30,382	30,447	30,535	30,985	30,318	28,170	-0.2	7.9
Office	62,968	62,784	63,090	62,065	62,258	58,944	0.3	6.8
Commercial	86,740	89,803	89,654	88,263	89,266	86,277	-3.4	0.5
Health care	31,726	32,432	32,611	32,897	33,007	32,355	-2.2	-1.9
Educational	20,323	20,946	21,253	20,449	20,490	19,256	-3.0	5.5
Religious	2,912	2,902	3,031	3,326	3,093	3,413	0.3	-14.7
Amusement and recreation	14,282	14,598	14,194	14,156	14,123	14,002	-2.2	2.0
Transportation	17,708	17,237	16,626	16,480	16,216	14,580	2.7	21.5
Communication	24,443	24,418	24,619	25,069	27,349	24,525	0.1	-0.3
Power	96,529	97,258	97,796	96,239	91,184	89,563	-0.7	7.8
Manufacturing	62,054	61,661	60,770	61,286	63,262	64,894	0.6	-4.4
<b>Total Public Construction<sup>2</sup></b>	<b>304,493</b>	<b>302,288</b>	<b>307,504</b>	<b>299,405</b>	<b>295,203</b>	<b>281,171</b>	<b>0.7</b>	<b>8.3</b>
Residential	6,507	6,489	6,873	6,621	6,642	6,465	0.3	0.6
Nonresidential	297,987	295,799	300,632	292,784	288,561	274,706	0.7	8.5
Office	9,577	9,759	9,906	9,388	9,014	7,744	-1.9	23.7
Commercial	3,690	3,666	3,466	3,428	3,401	2,984	0.7	23.7
Health care	9,873	9,566	9,584	8,862	8,817	9,197	3.2	7.4
Educational	71,641	70,138	75,012	72,944	72,418	70,290	2.1	1.9
Public safety	9,393	9,401	9,228	8,992	8,798	8,050	-0.1	16.7
Amusement and recreation	11,786	11,693	11,182	11,083	10,975	11,618	0.8	1.4
Transportation	34,938	35,382	34,315	33,933	33,230	29,128	-1.3	19.9
Power	6,148	5,980	6,523	6,144	6,002	5,484	2.8	12.1
Highway and street	94,168	93,820	95,283	94,277	92,254	90,593	0.4	3.9
Sewage and waste disposal	22,083	21,984	21,784	21,587	21,990	19,950	0.5	10.7
Water supply	14,567	14,924	14,343	12,946	12,525	11,227	-2.4	29.7
Conservation and development	8,693	8,034	8,256	7,493	7,498	7,006	8.2	24.1

<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 4, 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](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 2018 <sup>P</sup>	Jun 2018 <sup>F</sup>	May 2018 <sup>F</sup>	Apr 2018	Mar 2018	Jul 2017	Year-to-date		
							Jul 2018	Jul 2017	Percent change
<b>Total Construction</b>	<b>121,473</b>	<b>118,747</b>	<b>114,797</b>	<b>107,210</b>	<b>98,867</b>	<b>114,029</b>	<b>740,485</b>	<b>703,667</b>	<b>5.2</b>
Residential	54,095	51,460	50,032	47,742	43,066	49,803	321,950	299,141	7.6
Nonresidential	67,377	67,287	64,765	59,468	55,801	64,225	418,535	404,526	3.5
Lodging	2,640	2,663	2,743	2,688	2,600	2,430	18,081	16,419	10.1
Office	6,195	6,271	6,243	5,853	5,668	5,704	41,055	38,301	7.2
Commercial	7,848	8,170	8,013	7,626	7,239	7,747	52,204	49,787	4.9
Health care	3,504	3,598	3,601	3,393	3,346	3,482	24,037	23,580	1.9
Educational	9,440	9,082	8,258	7,404	6,776	9,231	53,617	53,154	0.9
Religious	254	256	254	273	239	306	1,720	1,950	-11.8
Public safety	785	816	782	741	693	662	5,131	4,535	13.1
Amusement and recreation	2,280	2,285	2,240	2,106	1,966	2,225	14,524	14,354	1.2
Transportation	4,627	4,698	4,434	4,102	3,693	3,826	28,506	24,623	15.8
Communication	1,993	1,990	2,045	1,986	2,238	2,004	13,982	13,720	1.9
Power	8,448	8,733	8,812	8,462	7,845	7,852	57,737	57,326	0.7
Highway and street	10,069	9,381	8,366	6,538	5,160	9,852	48,004	46,342	3.6
Sewage and waste disposal	1,989	1,987	1,894	1,725	1,654	1,798	12,252	11,234	9.1
Water supply	1,302	1,372	1,248	1,068	978	1,001	7,773	6,815	14.1
Conservation and development	718	655	679	587	594	567	4,305	3,903	10.3
Manufacturing	5,286	5,332	5,155	4,917	5,113	5,537	35,607	38,482	-7.5
<b>Total Private Construction<sup>1</sup></b>	<b>91,772</b>	<b>90,037</b>	<b>88,332</b>	<b>84,300</b>	<b>78,553</b>	<b>86,387</b>	<b>575,744</b>	<b>547,306</b>	<b>5.2</b>
Residential	53,534	50,871	49,431	47,190	42,569	49,243	318,208	295,329	7.7
New single family	26,437	25,645	24,631	23,313	22,441	24,958	161,362	148,707	8.5
New multi-family	4,885	5,125	5,205	5,170	4,741	4,830	34,359	34,666	-0.9
Nonresidential	38,238	39,166	38,901	37,110	35,984	37,145	257,537	251,977	2.2
Lodging	2,556	2,587	2,645	2,598	2,520	2,372	17,498	16,109	8.6
Office	5,384	5,417	5,380	5,093	4,957	5,057	35,726	33,781	5.8
Commercial	7,537	7,842	7,711	7,359	6,975	7,500	50,233	47,988	4.7
Health care	2,671	2,767	2,803	2,671	2,618	2,715	18,705	18,294	2.2
Educational	1,863	1,994	1,941	1,730	1,627	1,765	12,200	11,972	1.9
Religious	254	256	254	273	239	306	1,720	1,950	-11.8
Amusement and recreation	1,229	1,238	1,219	1,193	1,139	1,210	8,198	7,878	4.1
Transportation	1,515	1,562	1,504	1,337	1,153	1,283	9,306	7,787	19.5
Communication	1,988	1,984	2,039	1,972	2,221	1,993	13,917	13,638	2.0
Power	7,917	8,158	8,226	7,949	7,405	7,391	54,285	54,042	0.4
Manufacturing	5,256	5,293	5,113	4,879	5,073	5,487	35,346	38,083	-7.2
<b>Total Public Construction<sup>2</sup></b>	<b>29,701</b>	<b>28,711</b>	<b>26,465</b>	<b>22,910</b>	<b>20,313</b>	<b>27,641</b>	<b>164,740</b>	<b>156,361</b>	<b>5.4</b>
Residential	562	590	600	552	497	561	3,742	3,812	-1.8
Nonresidential	29,139	28,121	25,865	22,358	19,817	27,081	160,998	152,549	5.5
Office	810	854	863	760	711	647	5,329	4,520	17.9
Commercial	311	328	301	267	264	248	1,971	1,799	9.6
Health care	833	830	798	722	728	767	5,333	5,286	0.9
Educational	7,577	7,087	6,317	5,674	5,149	7,466	41,417	41,182	0.6
Public safety	775	808	774	730	685	656	5,071	4,475	13.3
Amusement and recreation	1,051	1,047	1,021	914	827	1,015	6,325	6,476	-2.3
Transportation	3,112	3,136	2,930	2,765	2,540	2,543	19,201	16,837	14.0
Power	531	575	586	513	440	462	3,452	3,284	5.1
Highway and street	10,052	9,367	8,349	6,521	5,140	9,830	47,893	46,235	3.6
Sewage and waste disposal	1,964	1,956	1,866	1,710	1,641	1,778	12,120	11,079	9.4
Water supply	1,287	1,357	1,236	1,054	965	985	7,685	6,695	14.8
Conservation and development	717	653	677	584	591	566	4,293	3,890	10.4

<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, September 4, 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](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>0.8</b>	<b>0.5</b>	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>
Residential	4.4	3.4	4.7	1.3	4.9
Nonresidential	0.8	0.5	0.7	0.9	1.1
Lodging	2.2	1.6	2.0	0.8	2.6
Office	2.1	1.4	1.8	1.0	1.9
Commercial	2.0	1.5	2.3	1.4	2.3
Health care	1.9	1.5	1.7	0.8	2.1
Educational	1.9	1.6	2.2	2.9	3.5
Religious	5.9	4.4	5.7	3.8	6.1
Public safety	3.7	2.3	3.2	1.8	4.8
Amusement and recreation	3.0	2.3	3.4	2.1	4.7
Transportation	1.5	1.2	2.2	1.4	4.6
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.3	0.2	0.4
Highway and street	3.3	2.0	2.9	4.3	4.5
Sewage and waste disposal	3.9	2.9	4.2	2.3	6.1
Water supply	4.5	3.6	5.2	4.7	7.7
Conservation and development	2.7	2.1	3.3	2.4	4.3
Manufacturing	1.1	1.1	0.9	0.8	1.0
<b>Total Private Construction</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.4</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	5.6	5.5	4.6	1.2	4.2
Nonresidential	0.7	0.5	0.7	0.4	0.8
Lodging	1.9	1.5	1.9	0.8	2.6
Office	2.2	1.5	1.8	1.0	1.9
Commercial	2.1	1.6	2.3	1.4	2.4
Health care	2.4	2.0	2.0	0.9	2.4
Educational	2.7	2.1	3.1	1.4	3.3
Religious	5.9	4.4	5.7	3.8	6.1
Amusement and recreation	3.0	2.2	3.3	2.5	4.0
Transportation	1.4	1.2	3.8	0.8	5.2
Communication	NA	NA	NA	NA	NA
Power	0.3	0.1	0.3	0.1	0.3
Manufacturing	1.1	1.1	0.9	0.8	1.0
<b>Total Public Construction</b>	<b>1.3</b>	<b>0.9</b>	<b>1.3</b>	<b>1.8</b>	<b>2.2</b>
Residential	4.3	3.4	4.7	1.3	4.9
Nonresidential	1.3	0.9	1.3	1.8	2.2
Office	3.9	4.4	5.7	3.3	6.7
Commercial	6.6	5.4	8.6	4.3	10.9
Health care	2.7	1.8	2.6	1.9	4.8
Educational	2.3	1.9	2.6	3.6	4.2
Public safety	3.7	2.3	3.2	1.8	4.8
Amusement and recreation	5.4	4.4	6.2	3.6	9.7
Transportation	1.9	1.6	2.4	1.8	5.3
Power	6.4	5.4	6.7	6.5	9.3
Highway and street	3.3	2.1	2.9	4.3	4.5
Sewage and waste disposal	3.9	3.0	4.2	2.3	6.1
Water supply	4.6	3.6	5.3	4.8	7.8
Conservation and development	2.7	2.1	3.3	2.4	4.3

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, September 4, 2018. 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).