

# U.S. Census Bureau News

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Joseph Huesman, Linnet Holland, or Trent Langley  
(301) 763-1605

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## JUNE 2016 CONSTRUCTION AT \$1,133.5 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during June 2016 was estimated at a seasonally adjusted annual rate of \$1,133.5 billion, 0.6 percent ( $\pm 1.3\%$ )\* below the revised May estimate of \$1,140.9 billion. The June figure is 0.3 percent ( $\pm 1.6\%$ )\* above the June 2015 estimate of \$1,130.5 billion.

During the first 6 months of this year, construction spending amounted to \$539.8 billion, 6.2 percent ( $\pm 1.3\%$ ) above the \$508.1 billion for the same period in 2015.

### PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$851.0 billion, 0.6 percent ( $\pm 1.0\%$ )\* below the revised May estimate of \$856.6 billion. Residential construction was at a seasonally adjusted annual rate of \$445.8 billion in June, nearly the same as ( $\pm 1.3\%$ )\* the revised May estimate of \$445.9 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$405.2 billion in June, 1.3 percent ( $\pm 1.0\%$ ) below the revised May estimate of \$410.7 billion.

### PUBLIC CONSTRUCTION

In June, the estimated seasonally adjusted annual rate of public construction spending was \$282.5 billion, 0.6 percent ( $\pm 2.5\%$ )\* below the revised May estimate of \$284.3 billion. Educational construction was at a seasonally adjusted annual rate of \$67.5 billion, 0.5 percent ( $\pm 5.8\%$ )\* below the revised May estimate of \$67.8 billion. Highway construction was at a seasonally adjusted annual rate of \$88.0 billion, 1.4 percent ( $\pm 5.4\%$ )\* below the revised May estimate of \$89.2 billion.

*July 2016 data will be released on September 1, 2016 at 10:00 A.M. EDT.*

*For more detailed data and methodologies, go to our website:*

<http://www.census.gov/constructionspending>

*To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.*

### **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, 0.93 percent; private construction, 1.02 percent; and public construction, 1.35 percent.

Geographic data for Private Nonresidential Construction (1993-2015) are available. Go to [http://www.census.gov/construction/c30/historical\\_data.html](http://www.census.gov/construction/c30/historical_data.html).

\* 90% confidence interval includes zero. The U.S. Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

**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	Jun 2016 <sup>P</sup>	May 2016 <sup>r</sup>	Apr 2016 <sup>r</sup>	Mar 2016	Feb 2016	Jun 2015	Percent change Jun 2016 from -	
							May 2016	Jun 2015
<b>Total Construction</b>	<b>1,133,543</b>	<b>1,140,902</b>	<b>1,142,525</b>	<b>1,176,380</b>	<b>1,157,704</b>	<b>1,130,490</b>	<b>-0.6</b>	<b>0.3</b>
Residential	451,560	452,019	451,747	475,094	462,484	440,957	-0.1	2.4
Nonresidential	681,983	688,884	690,778	701,287	695,220	689,533	-1.0	-1.1
Lodging	27,107	26,915	26,282	26,219	24,828	23,343	0.7	16.1
Office	64,443	64,162	63,836	63,365	62,570	55,454	0.4	16.2
Commercial	70,506	72,092	71,502	72,606	71,754	65,557	-2.2	7.5
Health care	40,253	40,831	40,277	42,016	39,940	42,275	-1.4	-4.8
Educational	84,467	85,296	88,662	89,910	89,624	88,258	-1.0	-4.3
Religious	3,961	3,876	4,287	3,725	3,565	3,818	2.2	3.7
Public safety	8,010	7,959	8,064	7,860	8,359	8,742	0.6	-8.4
Amusement and recreation	21,524	21,413	21,781	21,229	21,012	21,679	0.5	-0.7
Transportation	43,614	43,549	42,211	45,285	44,050	45,105	0.1	-3.3
Communication	18,927	18,977	18,660	18,421	19,721	20,127	-0.3	-6.0
Power	97,105	96,950	96,746	94,682	94,314	94,250	0.2	3.0
Highway and street	88,329	89,562	89,652	94,054	93,929	93,825	-1.4	-5.9
Sewage and waste disposal	21,669	22,252	24,331	24,704	26,237	25,346	-2.6	-14.5
Water supply	12,523	12,123	11,980	12,304	12,333	14,565	3.3	-14.0
Conservation and development	8,323	8,374	7,692	7,839	8,243	7,684	-0.6	8.3
Manufacturing	71,221	74,553	74,816	77,066	74,743	79,504	-4.5	-10.4
<b>Total Private Construction<sup>1</sup></b>	<b>851,029</b>	<b>856,575</b>	<b>854,624</b>	<b>878,990</b>	<b>858,137</b>	<b>829,939</b>	<b>-0.6</b>	<b>2.5</b>
Residential	445,820	445,909	445,499	468,362	455,693	434,451	0.0	2.6
New single family	239,648	240,494	243,301	246,787	248,938	228,652	-0.4	4.8
New multi-family	59,721	60,648	58,898	61,543	58,285	51,300	-1.5	16.4
Nonresidential	405,209	410,666	409,125	410,629	402,444	395,489	-1.3	2.5
Lodging	26,768	26,615	25,883	25,801	24,270	22,803	0.6	17.4
Office	56,862	56,518	56,408	55,761	54,622	47,541	0.6	19.6
Commercial	67,500	68,577	68,040	68,834	68,308	62,684	-1.6	7.7
Health care	31,519	32,178	31,631	33,054	31,540	33,481	-2.0	-5.9
Educational	16,978	17,473	17,815	17,854	18,288	17,386	-2.8	-2.3
Religious	3,961	3,876	4,287	3,725	3,565	3,809	2.2	4.0
Amusement and recreation	11,226	11,092	11,020	11,152	10,978	10,486	1.2	7.1
Transportation	13,148	13,176	12,903	12,547	11,954	13,001	-0.2	1.1
Communication	18,788	18,803	18,570	18,238	19,568	19,939	-0.1	-5.8
Power	86,882	87,483	87,455	86,337	84,321	84,038	-0.7	3.4
Manufacturing	70,575	73,936	74,091	76,414	73,989	78,758	-4.5	-10.4
<b>Total Public Construction<sup>2</sup></b>	<b>282,514</b>	<b>284,328</b>	<b>287,902</b>	<b>297,390</b>	<b>299,567</b>	<b>300,551</b>	<b>-0.6</b>	<b>-6.0</b>
Residential	5,741	6,110	6,249	6,732	6,791	6,507	-6.0	-11.8
Nonresidential	276,773	278,218	281,653	290,658	292,775	294,044	-0.5	-5.9
Office	7,581	7,644	7,428	7,604	7,949	7,912	-0.8	-4.2
Commercial	3,006	3,516	3,462	3,773	3,446	2,873	-14.5	4.6
Health care	8,735	8,652	8,646	8,962	8,400	8,793	1.0	-0.7
Educational	67,489	67,823	70,847	72,056	71,335	70,873	-0.5	-4.8
Public safety	7,952	7,902	8,006	7,784	8,272	8,513	0.6	-6.6
Amusement and recreation	10,299	10,321	10,761	10,077	10,034	11,193	-0.2	-8.0
Transportation	30,466	30,373	29,309	32,738	32,096	32,104	0.3	-5.1
Power	10,223	9,467	9,291	8,346	9,993	10,212	8.0	0.1
Highway and street	87,963	89,201	89,270	93,783	93,666	93,362	-1.4	-5.8
Sewage and waste disposal	21,349	21,934	23,967	24,363	25,824	25,125	-2.7	-15.0
Water supply	12,351	11,975	11,809	12,147	12,142	13,994	3.1	-11.7
Conservation and development	8,235	8,321	7,643	7,772	8,154	7,605	-1.0	8.3

<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.

**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	Jun 2016 <sup>P</sup>	May 2016 <sup>f</sup>	Apr 2016 <sup>f</sup>	Mar 2016	Feb 2016	Jun 2015	Year-to-date		
							Jun 2016	Jun 2015	Percent change
<b>Total Construction</b>	<b>102,696</b>	<b>97,406</b>	<b>92,208</b>	<b>88,984</b>	<b>79,903</b>	<b>102,716</b>	<b>539,806</b>	<b>508,138</b>	<b>6.2</b>
Residential	41,682	39,594	37,523	36,635	30,745	40,861	216,976	201,615	7.6
Nonresidential	61,013	57,812	54,685	52,349	49,157	61,855	322,830	306,523	5.3
Lodging	2,258	2,287	2,192	2,127	1,963	1,928	12,636	9,958	26.9
Office	5,565	5,429	5,279	5,060	4,710	4,792	30,414	25,331	20.1
Commercial	6,148	6,111	5,879	5,624	5,306	5,777	34,224	31,218	9.6
Health care	3,442	3,447	3,304	3,375	3,141	3,609	19,636	19,222	2.2
Educational	8,284	7,260	6,971	6,542	6,151	8,648	40,996	38,604	6.2
Religious	332	314	342	299	264	319	1,814	1,641	10.5
Public safety	693	649	651	614	615	755	3,857	4,120	-6.4
Amusement and recreation	1,848	1,869	1,798	1,666	1,532	1,860	10,176	9,238	10.2
Transportation	3,865	3,686	3,385	3,332	3,014	4,008	20,317	20,762	-2.1
Communication	1,627	1,560	1,470	1,492	1,438	1,741	9,038	8,994	0.5
Power	8,099	7,960	7,802	7,402	7,352	7,967	46,134	43,486	6.1
Highway and street	9,018	7,512	6,130	5,252	4,562	9,369	36,972	35,593	3.9
Sewage and waste disposal	1,934	1,903	1,920	1,819	1,779	2,287	11,133	11,454	-2.8
Water supply	1,099	1,024	974	938	878	1,290	5,767	6,276	-8.1
Conservation and development	691	662	612	623	645	642	3,764	3,719	1.2
Manufacturing	6,111	6,141	5,977	6,186	5,811	6,865	35,951	36,907	-2.6
<b>Total Private Construction<sup>1</sup></b>	<b>75,735</b>	<b>73,548</b>	<b>70,317</b>	<b>68,585</b>	<b>60,866</b>	<b>74,247</b>	<b>409,393</b>	<b>379,707</b>	<b>7.8</b>
Residential	41,161	39,064	37,008	36,132	30,257	40,263	213,962	198,579	7.7
New single family	21,344	20,380	19,586	19,142	16,426	20,406	114,030	103,092	10.6
New multi-family	5,196	5,102	4,940	4,982	4,610	4,482	29,260	24,005	21.9
Nonresidential	34,574	34,484	33,309	32,452	30,609	33,984	195,431	181,128	7.9
Lodging	2,230	2,262	2,158	2,093	1,917	1,883	12,437	9,711	28.1
Office	4,899	4,776	4,661	4,466	4,118	4,093	26,732	21,396	24.9
Commercial	5,880	5,822	5,605	5,328	5,045	5,522	32,599	30,143	8.1
Health care	2,687	2,732	2,593	2,636	2,473	2,847	15,435	14,998	2.9
Educational	1,611	1,586	1,510	1,414	1,356	1,651	8,748	8,139	7.5
Religious	332	314	342	299	264	318	1,814	1,637	10.8
Amusement and recreation	926	951	933	911	849	866	5,371	4,405	21.9
Transportation	1,159	1,140	1,033	837	734	1,166	5,751	6,059	-5.1
Communication	1,615	1,545	1,462	1,477	1,425	1,726	8,963	8,916	0.5
Power	7,100	7,188	7,017	6,799	6,606	6,983	41,528	38,397	8.2
Manufacturing	6,057	6,089	5,917	6,132	5,748	6,803	35,611	36,604	-2.7
<b>Total Public Construction<sup>2</sup></b>	<b>26,960</b>	<b>23,858</b>	<b>21,891</b>	<b>20,399</b>	<b>19,037</b>	<b>28,469</b>	<b>130,412</b>	<b>128,431</b>	<b>1.5</b>
Residential	521	529	515	503	489	598	3,014	3,036	-0.7
Nonresidential	26,439	23,329	21,376	19,897	18,548	27,871	127,399	125,395	1.6
Office	667	653	617	594	592	699	3,682	3,935	-6.4
Commercial	268	290	275	296	261	255	1,625	1,075	51.2
Health care	756	715	711	739	668	762	4,201	4,224	-0.5
Educational	6,673	5,674	5,461	5,128	4,794	6,997	32,248	30,465	5.9
Public safety	687	644	646	607	609	735	3,821	3,970	-3.8
Amusement and recreation	922	919	865	755	683	994	4,804	4,833	-0.6
Transportation	2,706	2,545	2,352	2,495	2,280	2,841	14,566	14,702	-0.9
Power	999	772	785	603	745	983	4,606	5,089	-9.5
Highway and street	8,994	7,483	6,104	5,237	4,548	9,338	36,851	35,451	3.9
Sewage and waste disposal	1,906	1,875	1,891	1,795	1,744	2,268	10,960	11,353	-3.5
Water supply	1,085	1,011	962	927	865	1,240	5,692	6,010	-5.3
Conservation and development	683	658	608	617	637	635	3,729	3,658	1.9

<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.

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>0.8</b>	<b>1.0</b>
Residential	4.7	4.1	4.7	2.9	4.0
Nonresidential	0.9	0.6	0.8	0.8	1.0
Lodging	2.1	1.8	2.6	1.0	2.5
Office	2.4	2.2	2.3	1.2	2.6
Commercial	2.5	2.0	2.3	2.1	2.3
Health care	2.0	1.8	2.7	1.6	2.4
Educational	2.1	1.5	2.2	2.8	2.8
Religious	7.3	6.5	8.2	3.6	8.3
Public safety	3.1	2.4	2.7	3.6	4.0
Amusement and recreation	3.5	2.6	3.6	2.0	4.3
Transportation	1.9	1.3	1.9	1.5	2.0
Communication	NA	NA	NA	NA	NA
Power	0.5	0.4	0.3	0.4	0.3
Highway and street	3.6	2.6	3.2	3.3	4.3
Sewage and waste disposal	3.6	3.0	4.1	3.3	3.7
Water supply	4.3	3.1	4.5	4.5	5.2
Conservation and development	3.6	3.9	4.7	4.6	3.4
Manufacturing	0.8	0.8	0.9	0.9	0.8
<b>Total Private Construction</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<b>0.6</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	6.2	5.6	4.9	2.6	4.7
Nonresidential	0.8	0.7	0.8	0.6	0.8
Lodging	2.2	1.9	2.7	1.0	2.5
Office	2.8	2.5	2.7	1.2	2.8
Commercial	2.4	2.0	2.3	2.1	2.4
Health care	2.4	2.2	3.3	1.9	2.8
Educational	3.0	2.5	3.5	1.6	3.3
Religious	7.3	6.5	8.3	3.6	8.3
Amusement and recreation	3.4	3.1	4.4	2.3	4.3
Transportation	6.6	4.8	5.1	2.7	3.9
Communication	NA	NA	NA	NA	NA
Power	0.4	0.3	0.2	0.1	0.1
Manufacturing	0.8	0.8	0.9	0.9	0.9
<b>Total Public Construction</b>	<b>1.5</b>	<b>1.0</b>	<b>1.3</b>	<b>1.5</b>	<b>1.8</b>
Residential	4.7	4.1	4.7	2.9	4.0
Nonresidential	1.5	1.0	1.3	1.5	1.8
Office	3.1	2.4	3.5	3.8	4.5
Commercial	14.8	12.9	17.8	15.0	13.2
Health care	3.0	2.6	3.3	1.9	3.9
Educational	2.5	1.8	2.7	3.5	3.3
Public safety	3.2	2.5	2.8	3.6	4.2
Amusement and recreation	5.8	4.3	5.4	3.3	6.9
Transportation	2.0	1.4	2.0	1.6	2.1
Power	4.8	3.7	3.7	6.2	4.4
Highway and street	3.6	2.5	3.2	3.3	4.3
Sewage and waste disposal	3.6	3.1	4.1	3.4	3.8
Water supply	4.4	3.1	4.8	4.6	5.5
Conservation and development	3.7	3.9	4.8	4.6	3.4

NA Not applicable