

# U.S. Census Bureau News

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## JANUARY 2016 CONSTRUCTION AT \$1,140.8 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during January 2016 was estimated at a seasonally adjusted annual rate of \$1,140.8 billion, 1.5 percent ( $\pm 1.0\%$ ) above the revised December estimate of \$1,123.5 billion. The January figure is 10.4 percent ( $\pm 1.6\%$ ) above the January 2015 estimate of \$1,033.3 billion.

### PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$831.4 billion, 0.5 percent ( $\pm 0.8\%$ )\* above the revised December estimate of \$827.3 billion. Residential construction was at a seasonally adjusted annual rate of \$433.2 billion in January, nearly the same as ( $\pm 1.3\%$ )\* the revised December estimate of \$433.1 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$398.2 billion in January, 1.0 percent ( $\pm 0.8\%$ ) above the revised December estimate of \$394.2 billion.

### PUBLIC CONSTRUCTION

In January, the estimated seasonally adjusted annual rate of public construction spending was \$309.4 billion, 4.5 percent ( $\pm 1.6\%$ ) above the revised December estimate of \$296.2 billion. Educational construction was at a seasonally adjusted annual rate of \$68.8 billion, 1.9 percent ( $\pm 2.8\%$ )\* below the revised December estimate of \$70.1 billion. Highway construction was at a seasonally adjusted annual rate of \$110.4 billion, 14.7 percent ( $\pm 4.3\%$ ) above the revised December estimate of \$96.2 billion.

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

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

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

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### **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.

\* 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	Jan 2016 <sup>P</sup>	Dec 2015 <sup>F</sup>	Nov 2015 <sup>F</sup>	Oct 2015	Sep 2015	Jan 2015	Percent change Jan 2016 from -	
							Dec 2015	Jan 2015
<b>Total Construction</b>	<b>1,140,841</b>	<b>1,123,497</b>	<b>1,116,962</b>	<b>1,122,749</b>	<b>1,123,892</b>	<b>1,033,261</b>	<b>1.5</b>	<b>10.4</b>
Residential	438,958	439,017	436,437	431,164	432,381	408,043	0.0	7.6
Nonresidential	701,883	684,481	680,526	691,585	691,511	625,218	2.5	12.3
Lodging	23,600	22,203	22,357	22,658	22,771	17,509	6.3	34.8
Office	59,909	59,816	59,587	59,222	57,963	50,097	0.2	19.6
Commercial	66,427	69,415	68,354	69,413	69,499	65,877	-4.3	0.8
Health care	39,209	39,265	40,240	40,121	39,930	38,507	-0.1	1.8
Educational	87,195	88,196	87,013	86,003	88,356	77,817	-1.1	12.1
Religious	3,211	3,082	3,359	3,569	3,675	3,203	4.2	0.2
Public safety	8,276	8,399	8,535	9,648	8,823	8,554	-1.5	-3.2
Amusement and recreation	20,918	20,770	20,151	21,075	21,350	17,894	0.7	16.9
Transportation	43,503	44,631	44,989	45,118	45,392	43,250	-2.5	0.6
Communication	21,635	22,576	21,777	21,033	19,468	17,014	-4.2	27.2
Power	89,201	86,663	87,070	86,825	90,026	82,482	2.9	8.1
Highway and street	110,677	96,553	87,986	92,604	92,674	82,644	14.6	33.9
Sewage and waste disposal	25,583	24,598	23,247	24,843	25,161	25,222	4.0	1.4
Water supply	12,624	12,374	13,171	14,132	13,758	13,706	2.0	-7.9
Conservation and development	7,559	6,874	8,071	8,252	8,246	7,438	10.0	1.6
Manufacturing	82,358	79,065	84,619	87,070	84,420	74,005	4.2	11.3
<b>Total Private Construction<sup>1</sup></b>	<b>831,405</b>	<b>827,345</b>	<b>830,195</b>	<b>828,494</b>	<b>824,201</b>	<b>759,396</b>	<b>0.5</b>	<b>9.5</b>
Residential	433,164	433,108	429,850	424,657	425,703	402,151	0.0	7.7
New single family	230,052	230,500	228,557	226,079	222,680	215,751	-0.2	6.6
New multi-family	59,764	58,262	56,732	53,420	57,168	45,817	2.6	30.4
Nonresidential	398,241	394,237	400,344	403,837	398,498	357,245	1.0	11.5
Lodging	23,303	21,842	22,003	22,263	22,142	17,002	6.7	37.1
Office	52,435	52,013	51,866	51,191	50,005	42,003	0.8	24.8
Commercial	63,450	66,619	65,818	66,733	66,758	63,965	-4.8	-0.8
Health care	30,685	30,296	31,235	30,944	30,919	29,983	1.3	2.3
Educational	18,377	18,078	18,200	19,020	18,342	16,197	1.7	13.5
Religious	3,211	3,076	3,353	3,559	3,661	3,198	4.4	0.4
Amusement and recreation	10,425	10,343	10,422	10,445	10,519	8,060	0.8	29.3
Transportation	12,874	12,820	13,128	13,403	13,321	12,832	0.4	0.3
Communication	21,469	22,422	21,615	20,815	19,278	16,863	-4.3	27.3
Power	79,453	77,377	77,437	77,580	78,354	72,034	2.7	10.3
Manufacturing	81,697	78,410	84,026	86,319	83,656	73,579	4.2	11.0
<b>Total Public Construction<sup>2</sup></b>	<b>309,437</b>	<b>296,153</b>	<b>286,768</b>	<b>294,256</b>	<b>299,691</b>	<b>273,865</b>	<b>4.5</b>	<b>13.0</b>
Residential	5,794	5,909	6,587	6,507	6,678	5,893	-1.9	-1.7
Nonresidential	303,643	290,244	280,181	287,748	293,013	267,973	4.6	13.3
Office	7,474	7,803	7,721	8,031	7,958	8,095	-4.2	-7.7
Commercial	2,977	2,796	2,536	2,680	2,741	1,911	6.5	55.8
Health care	8,524	8,969	9,005	9,176	9,011	8,525	-5.0	0.0
Educational	68,819	70,118	68,813	66,983	70,014	61,620	-1.9	11.7
Public safety	8,225	8,203	8,445	9,499	8,636	8,198	0.3	0.3
Amusement and recreation	10,493	10,427	9,729	10,630	10,831	9,834	0.6	6.7
Transportation	30,629	31,812	31,861	31,715	32,071	30,418	-3.7	0.7
Power	9,748	9,286	9,633	9,245	11,671	10,448	5.0	-6.7
Highway and street	110,369	96,211	87,767	92,192	92,256	82,414	14.7	33.9
Sewage and waste disposal	25,353	24,385	23,013	24,608	24,929	24,974	4.0	1.5
Water supply	12,426	12,275	12,604	13,584	13,186	13,135	1.2	-5.4
Conservation and development	7,483	6,784	7,939	8,031	8,111	7,313	10.3	2.3

<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 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	Jan 2016 <sup>P</sup>	Dec 2015 <sup>F</sup>	Nov 2015 <sup>F</sup>	Oct 2015	Sep 2015	Jan 2015	Year-to-date		
							Jan 2016	Jan 2015	Percent change
<b>Total Construction</b>	<b>77,586</b>	<b>86,527</b>	<b>93,561</b>	<b>102,523</b>	<b>104,237</b>	<b>70,853</b>	<b>77,586</b>	<b>70,853</b>	<b>9.5</b>
Residential	29,521	32,378	35,945	39,614	39,544	27,379	29,521	27,379	7.8
Nonresidential	48,064	54,150	57,616	62,909	64,693	43,474	48,064	43,474	10.6
Lodging	1,814	1,883	1,929	1,978	1,943	1,361	1,814	1,361	33.3
Office	4,547	4,914	5,101	5,277	5,187	3,792	4,547	3,792	19.9
Commercial	4,758	5,462	5,866	6,375	6,390	4,693	4,758	4,693	1.4
Health care	2,968	3,248	3,418	3,479	3,539	2,969	2,968	2,969	0.0
Educational	5,887	6,356	6,746	7,179	8,068	5,286	5,887	5,286	11.4
Religious	242	255	285	326	340	244	242	244	-0.8
Public safety	635	691	737	798	864	668	635	668	-4.9
Amusement and recreation	1,495	1,638	1,709	1,933	1,918	1,285	1,495	1,285	16.3
Transportation	2,958	3,592	3,941	4,201	4,268	2,973	2,958	2,973	-0.5
Communication	1,409	2,208	1,966	1,851	1,724	1,134	1,409	1,134	24.3
Power	6,923	7,340	7,605	7,737	7,741	6,431	6,923	6,431	7.7
Highway and street	5,023	6,041	7,402	9,866	10,757	3,815	5,023	3,815	31.7
Sewage and waste disposal	1,703	1,930	2,010	2,368	2,395	1,689	1,703	1,689	0.8
Water supply	899	945	1,120	1,303	1,253	983	899	983	-8.5
Conservation and development	531	580	669	671	874	539	531	539	-1.5
Manufacturing	6,272	7,069	7,113	7,568	7,435	5,612	6,272	5,612	11.8
<b>Total Private Construction<sup>1</sup></b>	<b>58,916</b>	<b>65,223</b>	<b>69,820</b>	<b>74,927</b>	<b>73,995</b>	<b>53,727</b>	<b>58,916</b>	<b>53,727</b>	<b>9.7</b>
Residential	29,125	31,911	35,388	39,030	38,922	26,959	29,125	26,959	8.0
New single family	15,939	17,143	20,013	20,580	20,818	14,910	15,939	14,910	6.9
New multi-family	4,544	4,609	4,745	4,557	4,864	3,507	4,544	3,507	29.6
Nonresidential	29,791	33,312	34,432	35,897	35,073	26,769	29,791	26,769	11.3
Lodging	1,789	1,853	1,899	1,945	1,890	1,319	1,789	1,319	35.6
Office	3,996	4,273	4,464	4,588	4,450	3,190	3,996	3,190	25.3
Commercial	4,546	5,234	5,641	6,141	6,116	4,562	4,546	4,562	-0.4
Health care	2,311	2,507	2,671	2,729	2,697	2,301	2,311	2,301	0.4
Educational	1,321	1,383	1,426	1,579	1,536	1,169	1,321	1,169	13.0
Religious	242	254	284	325	338	244	242	244	-0.8
Amusement and recreation	805	822	859	928	910	628	805	628	28.2
Transportation	858	1,083	1,220	1,264	1,202	855	858	855	0.4
Communication	1,395	2,195	1,953	1,833	1,708	1,122	1,395	1,122	24.3
Power	6,253	6,612	6,839	6,916	6,702	5,697	6,253	5,697	9.8
Manufacturing	6,217	7,015	7,064	7,505	7,371	5,576	6,217	5,576	11.5
<b>Total Public Construction<sup>2</sup></b>	<b>18,669</b>	<b>21,305</b>	<b>23,741</b>	<b>27,597</b>	<b>30,242</b>	<b>17,126</b>	<b>18,669</b>	<b>17,126</b>	<b>9.0</b>
Residential	396	467	557	584	622	421	396	421	-5.9
Nonresidential	18,273	20,838	23,184	27,013	29,620	16,705	18,273	16,705	9.4
Office	551	641	637	689	737	602	551	602	-8.5
Commercial	212	227	225	234	273	130	212	130	63.1
Health care	656	741	748	751	842	669	656	669	-1.9
Educational	4,567	4,973	5,320	5,600	6,532	4,117	4,567	4,117	10.9
Public safety	632	677	729	785	849	641	632	641	-1.4
Amusement and recreation	691	816	850	1,005	1,007	657	691	657	5.2
Transportation	2,099	2,509	2,721	2,937	3,066	2,118	2,099	2,118	-0.9
Power	670	728	766	821	1,039	734	670	734	-8.7
Highway and street	5,005	6,008	7,378	9,825	10,708	3,801	5,005	3,801	31.7
Sewage and waste disposal	1,688	1,913	1,990	2,346	2,373	1,672	1,688	1,672	1.0
Water supply	885	937	1,069	1,254	1,198	946	885	946	-6.4
Conservation and development	525	572	658	653	863	528	525	528	-0.6

<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>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>0.6</b>	<b>1.0</b>
Residential	5.3	4.0	4.0	2.4	4.0
Nonresidential	0.8	0.8	1.1	0.6	1.1
Lodging	2.4	1.9	3.7	0.9	3.7
Office	2.2	2.5	2.7	1.1	2.7
Commercial	2.4	2.5	2.8	1.8	2.8
Health care	2.0	2.0	2.9	1.4	2.9
Educational	2.1	1.6	2.4	1.4	2.4
Religious	7.4	8.4	9.6	11.8	9.6
Public safety	3.1	3.0	3.6	2.8	3.6
Amusement and recreation	3.8	6.0	7.7	2.6	7.7
Transportation	2.3	1.7	2.7	1.5	2.7
Communication	NA	NA	NA	NA	NA
Power	0.5	0.4	0.6	0.4	0.6
Highway and street	3.3	3.4	6.3	2.6	6.3
Sewage and waste disposal	3.6	3.3	5.3	2.9	5.3
Water supply	4.5	5.0	7.1	4.5	7.1
Conservation and development	3.3	3.0	3.9	2.1	3.9
Manufacturing	0.8	0.8	1.0	0.4	1.0
<b>Total Private Construction</b>	<b>0.8</b>	<b>0.8</b>	<b>1.1</b>	<b>0.5</b>	<b>1.1</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	6.4	6.2	2.0	6.2
Nonresidential	0.8	0.8	1.1	0.5	1.1
Lodging	2.4	2.0	3.8	1.0	3.8
Office	2.6	2.9	3.1	1.1	3.1
Commercial	2.4	2.5	2.8	1.9	2.8
Health care	2.4	2.4	3.6	1.8	3.6
Educational	3.0	3.0	3.7	2.2	3.7
Religious	7.4	8.4	9.6	11.9	9.6
Amusement and recreation	3.7	3.4	4.8	2.3	4.8
Transportation	7.1	7.2	8.8	1.9	8.8
Communication	NA	NA	NA	NA	NA
Power	0.4	0.3	0.4	0.3	0.4
Manufacturing	0.8	0.8	1.0	0.4	1.0
<b>Total Public Construction</b>	<b>1.4</b>	<b>1.3</b>	<b>1.9</b>	<b>1.0</b>	<b>1.9</b>
Residential	5.3	4.0	4.0	2.4	4.0
Nonresidential	1.4	1.3	1.9	1.0	1.9
Office	3.4	3.5	4.2	3.5	4.2
Commercial	12.9	13.9	19.7	7.3	19.7
Health care	3.1	3.0	3.3	1.7	3.3
Educational	2.5	1.9	2.9	1.7	2.9
Public safety	3.1	3.0	3.8	2.9	3.8
Amusement and recreation	6.2	10.8	14.2	4.4	14.2
Transportation	2.4	1.7	2.8	1.6	2.8
Power	4.5	5.4	5.6	4.7	5.6
Highway and street	3.3	3.4	6.4	2.6	6.4
Sewage and waste disposal	3.6	3.3	5.3	3.0	5.3
Water supply	4.7	5.1	7.5	4.5	7.5
Conservation and development	3.4	3.1	4.0	2.1	4.0

NA Not applicable

**Table 4. Annual Value of Construction Put in Place in the United States**

(Millions of dollars. Details may not add to totals due to rounding.)

Type of Construction	2015 <sup>†</sup>	2014	Percent change	Coefficient of Variation
<b>Total Construction</b>	<b>1,098,155</b>	<b>993,409</b>	<b>10.5</b>	<b>0.5</b>
Residential	424,008	375,100	13.0	4.7
Nonresidential	674,147	618,310	9.0	0.5
Lodging	21,074	16,124	30.7	1.8
Office	56,203	46,056	22.0	2.1
Commercial	67,346	62,708	7.4	1.4
Health care	40,013	38,410	4.2	1.6
Educational	84,958	79,700	6.6	1.3
Religious	3,376	3,248	3.9	5.0
Public safety	8,891	9,380	-5.2	2.3
Amusement and recreation	20,685	16,630	24.4	2.4
Transportation	44,752	41,786	7.1	1.6
Communication	19,510	17,093	14.1	NA
Power	87,167	101,216	-13.9	0.4
Highway and street	90,068	84,220	6.9	1.4
Sewage and waste disposal	25,064	23,321	7.5	2.4
Water supply	13,563	13,334	1.7	2.4
Conservation and development	8,087	7,323	10.4	2.6
Manufacturing	83,389	57,761	44.4	0.8
<b>Total Private Construction<sup>1</sup></b>	<b>806,655</b>	<b>717,711</b>	<b>12.4</b>	<b>0.6</b>
Residential	417,550	370,045	12.8	1.1
New single family	218,518	193,600	12.9	4.0
New multi-family	52,005	41,806	24.4	5.6
Nonresidential	389,105	347,666	11.9	0.6
Lodging	20,601	15,698	31.2	1.8
Office	48,209	38,403	25.5	2.5
Commercial	64,817	60,761	6.7	1.4
Health care	31,054	28,556	8.7	2.0
Educational	17,692	16,699	5.9	2.2
Religious	3,367	3,242	3.9	5.0
Public safety	252	219	15.1	12.4
Amusement and recreation	10,035	7,481	34.1	3.0
Transportation	13,106	11,823	10.9	5.1
Communication	19,341	16,919	14.3	NA
Power	76,654	89,389	-14.2	0.4
Sewage and waste disposal	214	239	-10.5	12.1
Water supply	517	559	-7.5	8.6
Manufacturing	82,737	57,239	44.5	0.8
<b>Total Public Construction<sup>2</sup></b>	<b>291,500</b>	<b>275,698</b>	<b>5.7</b>	<b>0.7</b>
Residential	6,458	5,054	27.8	4.7
Nonresidential	285,042	270,644	5.3	0.7
Office	7,993	7,653	4.4	2.7
Commercial	2,529	1,947	29.9	9.4
Health care	8,959	9,854	-9.1	2.2
Educational	67,266	63,001	6.8	1.5
Public safety	8,639	9,160	-5.7	2.3
Amusement and recreation	10,650	9,150	16.4	3.7
Transportation	31,646	29,963	5.6	1.7
Power	10,513	11,826	-11.1	2.6
Highway and street	89,689	83,961	6.8	1.4
Sewage and waste disposal	24,850	23,082	7.7	2.4
Water supply	13,046	12,775	2.1	2.5
Conservation and development	7,960	7,142	11.5	2.6

NA Not applicable <sup>†</sup>Revised

<sup>1</sup>Includes the following categories of private construction not shown separately: highway and street, and conservation and development.

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