

# U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

For Release at 10:00 A.M. EST, Monday, December 2, 2013

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CB13-203

## OCTOBER 2013 CONSTRUCTION AT \$908.4 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during October 2013 was estimated at a seasonally adjusted annual rate of \$908.4 billion, 0.8 percent ( $\pm 1.8\%$ )\* above the September estimate of \$901.2 billion. The October figure is 5.3 percent ( $\pm 2.1\%$ ) above the October 2012 estimate of \$863.1 billion.

During the first 10 months of this year, construction spending amounted to \$747.0 billion, 5.0 percent ( $\pm 1.3\%$ ) above the \$711.7 billion for the same period in 2012.

### PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$625.7 billion, 0.5 percent ( $\pm 1.0\%$ )\* below the September estimate of \$629.0 billion. Residential construction was at a seasonally adjusted annual rate of \$326.9 billion in October, 0.6 percent ( $\pm 1.3\%$ )\* below the September estimate of \$328.7 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$298.9 billion in October, 0.5 percent ( $\pm 1.0\%$ )\* below the September estimate of \$300.2 billion.

### PUBLIC CONSTRUCTION

In October, the estimated seasonally adjusted annual rate of public construction spending was \$282.7 billion, 3.9 percent ( $\pm 3.0\%$ ) above the September estimate of \$272.2 billion. Educational construction was at a seasonally adjusted annual rate of \$64.0 billion, 8.5 percent ( $\pm 4.1\%$ ) above the September estimate of \$59.0 billion. Highway construction was at a seasonally adjusted annual rate of \$83.3 billion, 0.6 percent ( $\pm 6.9\%$ )\* above the September estimate of \$82.8 billion.

*November 2013 data will be released on January 2, 2014 at 10:00 A.M. EST.*

*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, 0.9 percent; private construction, 1.2 percent; and public construction, 1.0 percent.

This release includes the first release of estimates for both September 2013 and October 2013. Although released for the first time this month, the September 2013 data include late reports and corrections normally associated with the first revision to the estimates.

\* 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	Oct 2013 <sup>P</sup>	Sep 2013 <sup>P*</sup>	Aug 2013 <sup>r</sup>	Jul 2013 <sup>r</sup>	Jun 2013	Oct 2012	Percent change Oct 2013 from -	
							Sep 2013	Oct 2012
<b>Total Construction</b>	<b>908,448</b>	<b>901,155</b>	<b>903,786</b>	<b>902,854</b>	<b>897,113</b>	<b>863,065</b>	<b>0.8</b>	<b>5.3</b>
Residential	332,885	334,487	329,658	330,455	341,146	283,499	-0.5	17.4
Nonresidential	575,563	566,668	574,128	572,399	555,966	579,566	1.6	-0.7
Lodging	15,055	14,879	14,773	14,623	13,846	12,809	1.2	17.5
Office	38,878	37,841	38,533	38,463	36,996	39,943	2.7	-2.7
Commercial	50,461	49,064	48,250	48,699	46,464	48,333	2.8	4.4
Health care	41,702	40,982	41,153	40,881	39,836	41,934	1.8	-0.6
Educational	81,247	75,159	79,642	81,631	80,537	83,238	8.1	-2.4
Religious	3,324	3,252	3,274	3,334	3,348	3,802	2.2	-12.6
Public safety	9,731	9,216	9,369	8,497	9,417	9,852	5.6	-1.2
Amusement and recreation	15,137	14,864	15,074	14,219	13,749	15,285	1.8	-1.0
Transportation	44,712	42,682	41,166	42,581	41,806	42,250	4.8	5.8
Communication	14,047	15,296	15,598	15,404	15,438	16,737	-8.2	-16.1
Power	84,636	87,913	88,166	90,143	89,804	99,714	-3.7	-15.1
Highway and street	83,540	83,036	83,864	81,664	81,577	76,412	0.6	9.3
Sewage and waste disposal	22,511	23,115	23,753	22,059	20,357	21,545	-2.6	4.5
Water supply	14,628	14,463	14,335	14,220	13,624	12,794	1.1	14.3
Conservation and development	6,418	6,013	5,870	5,554	5,233	6,913	6.7	-7.2
Manufacturing	49,537	48,893	51,309	50,429	43,937	48,008	1.3	3.2
<b>Total Private Construction<sup>1</sup></b>	<b>625,725</b>	<b>628,950</b>	<b>626,392</b>	<b>627,047</b>	<b>624,157</b>	<b>586,781</b>	<b>-0.5</b>	<b>6.6</b>
Residential	326,863	328,733	323,213	324,132	334,997	277,419	-0.6	17.8
New single family	170,343	171,426	171,607	169,171	168,235	144,593	-0.6	17.8
New multi-family	34,459	33,705	32,314	30,672	31,597	25,006	2.2	37.8
Nonresidential	298,862	300,217	303,178	302,915	289,160	309,362	-0.5	-3.4
Lodging	14,530	14,360	14,044	14,034	13,213	12,254	1.2	18.6
Office	30,634	30,264	30,717	30,423	28,572	30,341	1.2	1.0
Commercial	48,267	46,944	46,072	46,166	44,089	45,259	2.8	6.6
Health care	30,351	29,910	29,615	29,485	28,211	29,807	1.5	1.8
Educational	17,241	16,181	16,462	16,951	16,286	16,742	6.6	3.0
Religious	3,293	3,211	3,261	3,293	3,303	3,770	2.6	-12.7
Amusement and recreation	6,265	6,411	6,809	6,411	5,892	6,085	-2.3	3.0
Transportation	13,021	12,745	12,703	12,414	12,497	12,591	2.2	3.4
Communication	13,901	15,180	15,470	15,263	15,184	16,639	-8.4	-16.5
Power	71,017	75,299	75,762	77,380	77,088	87,418	-5.7	-18.8
Manufacturing	48,688	48,082	50,516	49,655	43,343	47,142	1.3	3.3
<b>Total Public Construction<sup>2</sup></b>	<b>282,723</b>	<b>272,205</b>	<b>277,394</b>	<b>275,807</b>	<b>272,956</b>	<b>276,285</b>	<b>3.9</b>	<b>2.3</b>
Residential	6,021	5,754	6,445	6,323	6,150	6,080	4.6	-1.0
Nonresidential	276,701	266,451	270,949	269,485	266,806	270,204	3.8	2.4
Office	8,244	7,577	7,816	8,041	8,424	9,602	8.8	-14.1
Commercial	2,194	2,120	2,178	2,533	2,375	3,074	3.5	-28.6
Health care	11,351	11,071	11,538	11,395	11,625	12,127	2.5	-6.4
Educational	64,006	58,978	63,180	64,680	64,251	66,496	8.5	-3.7
Public safety	9,606	9,102	9,251	8,432	9,332	9,747	5.5	-1.4
Amusement and recreation	8,873	8,454	8,265	7,808	7,858	9,200	5.0	-3.6
Transportation	31,691	29,936	28,463	30,166	29,309	29,659	5.9	6.9
Power	13,619	12,614	12,404	12,762	12,715	12,295	8.0	10.8
Highway and street	83,295	82,821	83,633	81,388	81,511	76,272	0.6	9.2
Sewage and waste disposal	22,166	22,775	23,253	21,677	19,947	20,871	-2.7	6.2
Water supply	13,782	13,559	13,497	13,562	12,797	12,481	1.6	10.4
Conservation and development	6,324	5,956	5,808	5,494	5,138	6,831	6.2	-7.4

<sup>P</sup>Preliminary

<sup>P\*</sup>Although released for the first time this month, data for September 2013 include late reports and corrections normally associated with the first revision.

<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	Oct 2013 <sup>P</sup>	Sep 2013 <sup>P*</sup>	Aug 2013 <sup>r</sup>	Jul 2013 <sup>r</sup>	Jun 2013	Oct 2012	Year-to-date		
							Oct 2013	Oct 2012	Percent change
<b>Total Construction</b>	<b>83,567</b>	<b>83,456</b>	<b>85,677</b>	<b>83,104</b>	<b>81,722</b>	<b>81,520</b>	<b>746,962</b>	<b>711,727</b>	<b>5.0</b>
Residential	31,249	30,830	31,623	31,061	32,503	27,387	279,490	239,742	16.6
Nonresidential	52,318	52,626	54,054	52,042	49,219	54,133	467,472	471,984	-1.0
Lodging	1,255	1,240	1,231	1,219	1,154	1,067	11,482	9,382	22.4
Office	3,420	3,365	3,373	3,310	3,146	3,498	31,428	32,083	-2.0
Commercial	4,494	4,539	4,449	4,358	4,127	4,269	40,344	38,916	3.7
Health care	3,543	3,642	3,566	3,453	3,389	3,558	34,038	35,045	-2.9
Educational	6,838	6,791	8,285	8,257	7,734	6,983	67,430	72,308	-6.7
Religious	300	290	288	287	277	343	2,897	3,186	-9.1
Public safety	812	885	816	711	797	829	7,781	8,693	-10.5
Amusement and recreation	1,378	1,338	1,340	1,230	1,186	1,374	11,870	12,639	-6.1
Transportation	4,095	3,965	3,818	3,794	3,677	3,932	34,568	31,624	9.3
Communication	1,291	1,301	1,352	1,341	1,269	1,549	12,423	14,295	-13.1
Power	7,597	7,397	7,400	7,313	7,121	10,516	69,274	71,546	-3.2
Highway and street	8,964	9,463	9,639	8,905	8,165	8,267	69,205	69,025	0.3
Sewage and waste disposal	2,120	2,158	2,201	1,919	1,786	2,020	18,186	18,481	-1.6
Water supply	1,358	1,309	1,325	1,230	1,211	1,172	11,816	11,060	6.8
Conservation and development	544	634	525	469	427	557	4,871	5,320	-8.4
Manufacturing	4,310	4,311	4,447	4,246	3,753	4,199	39,861	38,383	3.9
<b>Total Private Construction<sup>1</sup></b>	<b>57,208</b>	<b>56,396</b>	<b>57,481</b>	<b>56,354</b>	<b>56,228</b>	<b>55,888</b>	<b>517,130</b>	<b>475,247</b>	<b>8.8</b>
Residential	30,739	30,281	31,064	30,513	31,967	26,866	274,414	234,489	17.0
New single family	15,516	16,101	16,260	15,843	15,165	13,175	140,161	108,207	29.5
New multi-family	2,911	2,804	2,851	2,684	2,744	2,125	26,147	17,887	46.2
Nonresidential	26,469	26,116	26,417	25,841	24,261	29,022	242,716	240,758	0.8
Lodging	1,211	1,197	1,170	1,170	1,101	1,021	11,054	8,812	25.4
Office	2,726	2,651	2,686	2,627	2,421	2,705	24,768	23,122	7.1
Commercial	4,323	4,322	4,256	4,153	3,923	4,020	38,322	36,283	5.6
Health care	2,642	2,604	2,579	2,506	2,405	2,592	24,866	25,852	-3.8
Educational	1,427	1,353	1,546	1,580	1,530	1,370	14,018	13,939	0.6
Religious	298	287	287	284	273	340	2,873	3,161	-9.1
Amusement and recreation	543	556	584	545	486	530	4,987	4,846	2.9
Transportation	1,231	1,190	1,183	1,133	1,112	1,218	10,100	9,427	7.1
Communication	1,279	1,291	1,342	1,329	1,248	1,541	12,275	14,113	-13.0
Power	6,391	6,263	6,241	6,213	5,939	9,435	58,927	62,580	-5.8
Manufacturing	4,239	4,243	4,381	4,182	3,704	4,127	39,214	37,513	4.5
<b>Total Public Construction<sup>2</sup></b>	<b>26,359</b>	<b>27,060</b>	<b>28,196</b>	<b>26,750</b>	<b>25,495</b>	<b>25,632</b>	<b>229,832</b>	<b>236,479</b>	<b>-2.8</b>
Residential	510	549	558	548	536	521	5,076	5,253	-3.4
Nonresidential	25,849	26,511	27,638	26,202	24,958	25,111	224,756	231,226	-2.8
Office	695	714	687	683	726	793	6,660	8,961	-25.7
Commercial	172	217	193	205	204	249	2,022	2,633	-23.2
Health care	901	1,038	987	948	984	966	9,173	9,193	-0.2
Educational	5,411	5,438	6,738	6,677	6,204	5,614	53,413	58,369	-8.5
Public safety	800	875	806	705	789	820	7,688	8,591	-10.5
Amusement and recreation	834	782	756	684	701	844	6,883	7,793	-11.7
Transportation	2,864	2,775	2,635	2,661	2,565	2,714	24,468	22,196	10.2
Power	1,206	1,134	1,160	1,101	1,181	1,081	10,347	8,967	15.4
Highway and street	8,943	9,442	9,615	8,879	8,159	8,255	69,076	68,892	0.3
Sewage and waste disposal	2,088	2,129	2,156	1,889	1,752	1,957	17,811	18,000	-1.1
Water supply	1,270	1,215	1,246	1,177	1,148	1,140	11,157	10,715	4.1
Conservation and development	536	629	520	464	419	550	4,812	5,270	-8.7

<sup>P</sup>Preliminary

<sup>P\*</sup>Although released for the first time this month, data for September 2013 include late reports and corrections normally associated with the first revision.

<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 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>1.0</b>	<b>0.6</b>	<b>0.8</b>	<b>1.1</b>	<b>1.3</b>
Residential	5.8	4.3	4.3	3.2	4.8
Nonresidential	1.0	0.6	0.8	1.1	1.3
Lodging	3.1	2.3	3.2	2.5	5.5
Office	3.0	2.0	2.4	2.6	3.2
Commercial	2.8	1.8	2.9	1.4	3.0
Health care	2.0	1.5	1.8	0.9	2.4
Educational	2.6	1.6	1.9	2.1	2.7
Religious	7.2	4.7	5.5	3.8	6.8
Public safety	3.5	2.9	2.5	2.4	5.7
Amusement and recreation	4.3	2.7	3.2	3.4	5.7
Transportation	2.6	1.9	2.3	1.5	4.2
Communication	NA	NA	NA	NA	NA
Power	0.6	0.5	0.6	0.7	0.8
Highway and street	3.6	2.0	3.1	4.2	5.6
Sewage and waste disposal	4.6	2.4	3.1	3.5	4.9
Water supply	4.1	2.7	3.9	3.4	6.5
Conservation and development	4.7	3.6	3.3	3.4	6.3
Manufacturing	1.4	1.1	1.4	0.6	1.7
<b>Total Private Construction</b>	<b>0.9</b>	<b>0.7</b>	<b>1.0</b>	<b>0.6</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	6.4	5.7	7.6	2.0	8.8
Nonresidential	0.9	0.7	1.0	0.6	1.1
Lodging	3.0	2.2	3.3	2.6	5.5
Office	3.9	2.6	3.6	2.1	3.5
Commercial	2.9	1.9	3.1	1.5	3.2
Health care	2.7	2.0	2.3	1.0	3.0
Educational	3.5	2.9	3.5	2.9	4.2
Religious	7.3	4.7	5.6	3.8	6.8
Amusement and recreation	5.7	3.7	4.5	2.5	7.5
Transportation	3.5	2.8	5.3	2.6	15.9
Communication	NA	NA	NA	NA	NA
Power	0.3	0.4	0.5	0.7	0.4
Manufacturing	1.4	1.1	1.5	0.6	1.8
<b>Total Public Construction</b>	<b>1.5</b>	<b>0.8</b>	<b>1.2</b>	<b>1.8</b>	<b>2.1</b>
Residential	5.8	4.3	4.3	3.2	4.8
Nonresidential	1.6	0.9	1.2	1.8	2.2
Office	3.2	2.1	1.7	8.1	6.8
Commercial	8.8	6.7	5.4	5.1	6.8
Health care	2.8	2.1	2.1	1.7	3.2
Educational	3.1	1.9	2.2	2.5	3.3
Public safety	3.5	3.0	2.5	2.4	5.7
Amusement and recreation	5.9	3.8	4.3	5.5	8.0
Transportation	2.8	2.1	2.5	1.6	4.0
Power	7.1	5.5	5.3	3.4	9.0
Highway and street	3.6	2.0	3.1	4.2	5.6
Sewage and waste disposal	4.6	2.4	3.1	3.5	5.1
Water supply	4.3	2.9	4.0	3.7	6.5
Conservation and development	4.8	3.6	3.3	3.4	6.4

NA Not applicable