

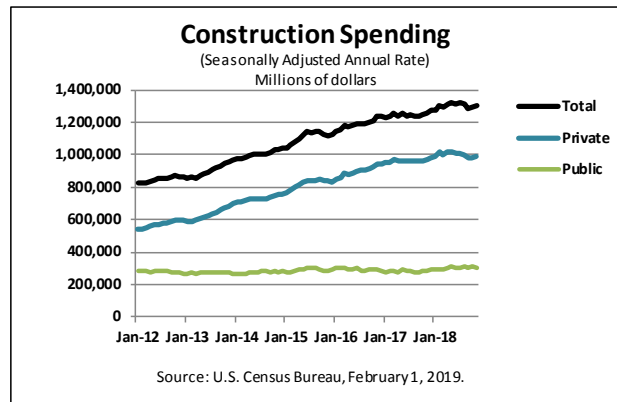
MONTHLY CONSTRUCTION SPENDING, NOVEMBER 2018

Release Number: CB19-03

February 1, 2019 — The U.S. Census Bureau announced the following value put in place construction statistics for November 2018:

CONSTRUCTION SPENDING	
NOVEMBER 2018	\$1,299.9 billion
OCTOBER 2018 (revised)	\$1,289.7 billion

Seasonally Adjusted Annual Rate
Source: U.S. Census Bureau, February 1, 2019



Total Construction

Construction spending during November 2018 was estimated at a seasonally adjusted annual rate of \$1,299.9 billion, 0.8 percent (± 1.3 percent)* above the revised October estimate of \$1,289.7 billion. The November figure is 3.4 percent (± 1.5 percent) above the November 2017 estimate of \$1,257.3 billion. During the first eleven months of this year, construction spending amounted to \$1,200.7 billion, 4.5 percent (± 1.2 percent) above the \$1,149.3 billion for the same period in 2017.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$993.4 billion, 1.3 percent (± 0.8 percent) above the revised October estimate of \$980.4 billion. Residential construction was at a seasonally adjusted annual rate of \$542.5 billion in November, 3.5 percent (± 1.3 percent) above the revised October estimate of \$524.2 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$450.8 billion in November, 1.2 percent (± 0.8 percent) below the revised October estimate of \$456.1 billion.

Public Construction

In November, the estimated seasonally adjusted annual rate of public construction spending was \$306.5 billion, 0.9 percent (± 2.3 percent)* below the revised October estimate of \$309.3 billion. Educational construction was at a seasonally adjusted annual rate of \$76.7 billion, 2.0 percent (± 1.6 percent)* below the revised October estimate of \$78.3 billion. Highway construction was at a seasonally adjusted annual rate of \$93.4 billion, 1.7 percent (± 5.6 percent)* above the revised October estimate of \$91.8 billion.

Data Inquiries

Economic Indicator Division, Construction Expenditures Branch
301-763-1605
eid.ceb.customer.service@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov

The U.S. Census Bureau is updating its 2019 economic indicator release calendar in coordination with other agencies and the Office of Management and Budget to address the impacts of the recent lapse in federal funding. Please refer to <www.census.gov/economic-indicators/> for the latest information on the rescheduled release dates. The full text and tables for this release can be found at <www.census.gov/constructionpending/>.

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/>.

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/>

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.

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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.

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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
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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	Nov 2018 ^p	Oct 2018 ^f	Sep 2018 ^f	Aug 2018	Jul 2018	Nov 2017	Percent change Nov 2018 from -	
							Oct 2018	Nov 2017
Total Construction	1,299,875	1,289,658	1,287,893	1,311,824	1,317,701	1,257,299	0.8	3.4
Residential	548,380	530,328	536,093	547,452	561,839	545,074	3.4	0.6
Nonresidential	751,495	759,330	751,800	764,372	755,862	712,225	-1.0	5.5
Lodging	33,462	33,083	32,461	32,536	31,602	28,500	1.1	17.4
Office	74,407	75,695	73,079	73,778	72,778	68,411	-1.7	8.8
Commercial	87,459	89,543	87,815	88,335	91,317	87,815	-2.3	-0.4
Health care	41,011	41,844	41,871	42,155	41,523	42,777	-2.0	-4.1
Educational	98,710	100,642	96,087	94,419	90,955	90,602	-1.9	8.9
Religious	3,075	3,022	2,909	2,907	2,854	3,078	1.8	-0.1
Public safety	9,486	9,719	9,217	9,510	9,420	8,553	-2.4	10.9
Amusement and recreation	27,631	27,802	28,238	27,886	27,859	24,563	-0.6	12.5
Transportation	53,020	52,801	53,004	53,898	53,387	47,456	0.4	11.7
Communication	23,509	23,805	23,923	24,187	24,215	25,072	-1.2	-6.2
Power	98,348	99,285	100,787	103,578	103,037	92,413	-0.9	6.4
Highway and street	93,646	92,042	91,718	96,808	95,749	88,483	1.7	5.8
Sewage and waste disposal	22,121	22,428	22,162	22,347	21,755	20,782	-1.4	6.4
Water supply	13,240	14,521	14,163	14,837	14,691	11,357	-8.8	16.6
Conservation and development	7,847	8,175	8,891	9,492	9,212	7,533	-4.0	4.2
Manufacturing	64,524	64,922	65,475	67,697	65,509	64,831	-0.6	-0.5
Total Private Construction¹	993,363	980,369	983,239	999,219	1,012,557	970,965	1.3	2.3
Residential	542,534	524,223	529,951	540,912	555,356	538,181	3.5	0.8
New single family	277,512	282,544	283,894	285,920	287,062	280,238	-1.8	-1.0
New multifamily	64,729	63,084	61,480	57,371	59,928	59,763	2.6	8.3
Nonresidential	450,829	456,147	453,288	458,307	457,201	432,785	-1.2	4.2
Lodging	31,852	31,767	31,186	30,966	30,673	27,745	0.3	14.8
Office	65,097	66,092	64,083	63,441	63,308	59,112	-1.5	10.1
Commercial	83,801	85,793	84,186	84,908	87,806	84,878	-2.3	-1.3
Health care	31,410	32,308	32,428	32,931	32,095	33,341	-2.8	-5.8
Educational	22,034	22,380	20,770	20,658	20,668	19,918	-1.5	10.6
Religious	3,028	3,007	2,909	2,907	2,854	3,078	0.7	-1.6
Amusement and recreation	14,933	14,911	15,189	15,230	15,156	13,666	0.1	9.3
Transportation	17,675	17,424	17,587	17,529	17,517	16,426	1.4	7.6
Communication	23,287	23,532	23,639	23,885	24,152	24,957	-1.0	-6.7
Power	92,251	93,125	95,266	97,568	96,760	84,704	-0.9	8.9
Manufacturing	64,355	64,544	64,966	67,113	65,111	64,348	-0.3	0.0
Total Public Construction²	306,512	309,289	304,654	312,605	305,144	286,334	-0.9	7.0
Residential	5,846	6,106	6,141	6,540	6,483	6,894	-4.3	-15.2
Nonresidential	300,666	303,183	298,513	306,065	298,661	279,441	-0.8	7.6
Office	9,310	9,603	8,996	10,338	9,470	9,298	-3.1	0.1
Commercial	3,658	3,751	3,629	3,427	3,511	2,937	-2.5	24.5
Health care	9,602	9,536	9,443	9,224	9,428	9,436	0.7	1.8
Educational	76,676	78,262	75,318	73,761	70,287	70,683	-2.0	8.5
Public safety	9,341	9,592	9,084	9,363	9,252	8,462	-2.6	10.4
Amusement and recreation	12,698	12,891	13,049	12,656	12,703	10,897	-1.5	16.5
Transportation	35,345	35,377	35,417	36,369	35,870	31,030	-0.1	13.9
Power	6,097	6,161	5,521	6,010	6,277	7,709	-1.0	-20.9
Highway and street	93,379	91,781	91,483	96,565	95,496	88,292	1.7	5.8
Sewage and waste disposal	21,646	21,915	21,648	21,890	21,332	20,626	-1.2	4.9
Water supply	13,034	14,176	13,987	14,533	14,452	11,192	-8.1	16.5
Conservation and development	7,832	8,156	8,872	9,473	9,192	7,526	-4.0	4.1

^p Preliminary ^f Revised

¹Includes the following categories of private construction not shown separately:
public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

²Includes 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, February 1, 2019. 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>

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	Nov 2018 ^p	Oct 2018 ^r	Sep 2018 ^r	Aug 2018	Jul 2018	Nov 2017	Year-to-date		
							Nov 2018	Nov 2017	Percent change
Total Construction	108,333	115,411	115,840	121,262	120,898	105,707	1,200,728	1,149,266	4.5
Residential	44,887	47,103	47,573	50,331	52,728	45,460	509,889	490,999	3.8
Nonresidential	63,446	68,307	68,267	70,931	68,170	60,247	690,839	658,267	4.9
Lodging	2,812	2,838	2,724	2,752	2,659	2,410	29,261	26,217	11.6
Office	6,370	6,623	6,437	6,354	6,212	5,840	66,836	61,287	9.1
Commercial	7,361	8,037	7,818	7,884	7,944	7,404	83,335	80,731	3.2
Health care	3,494	3,656	3,676	3,680	3,474	3,644	38,506	38,362	0.4
Educational	7,606	8,335	8,506	9,673	9,328	6,957	87,655	84,604	3.6
Religious	252	286	273	274	246	255	2,788	3,138	-11.2
Public safety	821	865	858	837	772	739	8,494	7,568	12.2
Amusement and recreation	2,336	2,444	2,461	2,493	2,431	2,069	24,435	22,888	6.8
Transportation	4,593	4,813	4,793	4,867	4,722	4,113	47,704	41,220	15.7
Communication	2,184	2,092	1,994	2,044	1,993	2,333	22,295	22,512	-1.0
Power	8,501	8,600	8,420	8,533	8,495	7,973	91,862	88,765	3.5
Highway and street	7,956	9,857	10,302	11,310	10,370	7,682	87,932	83,772	5.0
Sewage and waste disposal	1,886	2,143	2,052	2,097	1,921	1,768	20,375	18,769	8.6
Water supply	1,113	1,316	1,276	1,331	1,301	967	12,830	10,870	18.0
Conservation and development	670	701	897	871	766	636	7,526	6,633	13.5
Manufacturing	5,493	5,703	5,781	5,931	5,535	5,458	59,006	60,932	-3.2
Total Private Construction¹	82,959	86,523	86,071	89,298	90,978	81,887	919,487	886,493	3.7
Residential	44,393	46,558	47,015	49,742	52,160	44,872	503,959	484,844	3.9
New single family	24,248	25,637	26,350	26,652	26,468	24,501	264,327	249,219	6.1
New multifamily	5,479	5,539	5,144	5,011	4,923	5,015	55,583	55,136	0.8
Nonresidential	38,567	39,965	39,056	39,556	38,818	37,015	415,528	401,649	3.5
Lodging	2,678	2,728	2,617	2,621	2,581	2,347	28,207	25,631	10.1
Office	5,581	5,777	5,624	5,438	5,412	5,060	58,158	53,723	8.3
Commercial	7,039	7,715	7,464	7,577	7,650	7,154	80,080	77,876	2.8
Health care	2,701	2,849	2,842	2,881	2,684	2,871	29,991	29,907	0.3
Educational	1,739	1,832	1,712	1,883	1,892	1,560	19,390	18,650	4.0
Religious	248	285	273	274	246	255	2,783	3,138	-11.3
Amusement and recreation	1,264	1,291	1,263	1,336	1,298	1,148	13,428	12,605	6.5
Transportation	1,575	1,572	1,519	1,533	1,517	1,474	15,547	13,363	16.3
Communication	2,166	2,069	1,970	2,019	1,988	2,323	22,140	22,390	-1.1
Power	8,002	8,062	7,933	8,005	7,953	7,350	86,348	83,358	3.6
Manufacturing	5,478	5,671	5,738	5,883	5,502	5,418	58,598	60,325	-2.9
Total Public Construction²	25,374	28,887	29,769	31,964	29,920	23,821	281,241	262,773	7.0
Residential	494	545	558	589	568	588	5,930	6,154	-3.6
Nonresidential	24,879	28,343	29,211	31,375	29,352	23,232	275,311	256,619	7.3
Office	789	846	814	916	800	780	8,678	7,565	14.7
Commercial	322	322	354	307	294	250	3,255	2,855	14.0
Health care	793	807	834	799	790	773	8,515	8,456	0.7
Educational	5,867	6,503	6,794	7,790	7,436	5,397	68,265	65,954	3.5
Public safety	809	854	847	825	759	732	8,378	7,478	12.0
Amusement and recreation	1,072	1,152	1,198	1,157	1,134	921	11,007	10,284	7.0
Transportation	3,018	3,241	3,274	3,334	3,205	2,638	32,157	27,857	15.4
Power	499	538	487	528	542	623	5,513	5,407	2.0
Highway and street	7,931	9,832	10,278	11,286	10,347	7,665	87,719	83,584	4.9
Sewage and waste disposal	1,845	2,099	2,003	2,056	1,884	1,754	20,055	18,556	8.1
Water supply	1,094	1,285	1,260	1,303	1,280	952	12,640	10,694	18.2
Conservation and development	669	699	896	869	764	636	7,507	6,615	13.5

^p Preliminary ^r Revised

¹Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

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

Source: U.S. Census Bureau, Construction Spending, February 1, 2019.

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>

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
Total Construction	0.8	0.5	0.7	0.8	0.9
Residential	3.7	2.8	3.9	1.5	4.4
Nonresidential	0.8	0.5	0.7	0.8	0.9
Lodging	1.9	1.4	1.8	1.0	2.2
Office	2.2	1.3	2.0	0.8	2.0
Commercial	2.0	1.8	2.2	1.7	1.8
Health care	1.8	1.2	1.4	1.0	2.0
Educational	2.0	1.4	1.8	0.8	2.1
Religious	5.6	3.9	4.7	3.1	5.9
Public safety	3.7	2.2	2.9	1.9	3.6
Amusement and recreation	2.8	1.9	3.0	1.2	3.3
Transportation	1.4	1.2	2.0	1.2	2.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.4	0.2	0.5
Highway and street	3.3	1.6	2.4	3.4	3.7
Sewage and waste disposal	4.0	2.4	3.3	7.7	10.0
Water supply	4.6	3.0	5.1	2.8	5.3
Conservation and development	2.4	1.8	2.5	1.7	2.5
Manufacturing	1.0	0.8	0.9	0.4	0.9
Total Private Construction	0.7	0.6	0.7	0.5	0.7
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 multifamily	5.8	5.9	4.0	1.7	3.7
Nonresidential	0.7	0.6	0.7	0.5	0.7
Lodging	1.7	1.4	1.8	0.9	2.2
Office	2.4	1.4	1.8	0.8	2.2
Commercial	2.1	1.9	2.2	1.8	1.9
Health care	2.2	1.6	1.7	1.1	2.3
Educational	2.5	1.9	2.8	1.2	2.7
Religious	5.6	3.9	4.7	2.9	5.7
Amusement and recreation	2.9	1.9	2.7	1.4	3.1
Transportation	1.0	1.0	3.5	0.9	2.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.4	0.1	0.5
Manufacturing	1.0	0.8	0.9	0.4	0.9
Total Public Construction	1.4	0.8	1.2	1.4	1.7
Residential	3.7	2.8	3.9	1.5	4.4
Nonresidential	1.4	0.8	1.2	1.5	1.7
Office	3.9	3.7	9.7	1.6	5.0
Commercial	6.5	4.8	6.9	3.2	6.6
Health care	2.5	1.7	2.3	2.2	3.4
Educational	2.4	1.7	2.2	1.0	2.6
Public safety	3.8	2.2	2.9	1.9	3.6
Amusement and recreation	4.9	3.5	5.8	2.0	6.9
Transportation	1.9	1.5	2.3	1.4	3.3
Power	6.6	4.8	5.6	4.5	5.3
Highway and street	3.3	1.6	2.4	3.4	3.7
Sewage and waste disposal	4.0	2.4	3.3	7.9	10.1
Water supply	4.6	3.1	5.2	2.8	5.4
Conservation and development	2.4	1.8	2.5	1.7	2.5

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, February 1, 2019. Additional information on the survey methodology may be found at <www.census.gov/construction/c30/meth.html>