

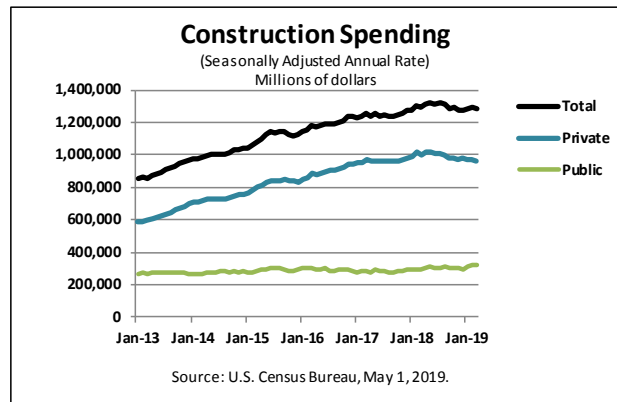
MONTHLY CONSTRUCTION SPENDING, MARCH 2019

Release Number: CB19-58

This release includes adjustments to the estimates for January 2019 forward to account for additional projects identified as eligible for inclusion in the sampling frame.

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

CONSTRUCTION SPENDING	
MARCH 2019	\$1,282.2 billion
FEBRUARY 2019 (revised)	\$1,293.3 billion
Next release: June 3, 2019	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, May 1, 2019	



Total Construction

Construction spending during March 2019 was estimated at a seasonally adjusted annual rate of \$1,282.2 billion, 0.9 percent (± 1.0 percent)* below the revised February estimate of \$1,293.3 billion. The March figure is 0.8 percent (± 1.5 percent)* below the March 2018 estimate of \$1,293.1 billion. During the first three months of this year, construction spending amounted to \$277.7 billion, 0.2 percent (± 1.3 percent)* below the \$278.3 billion for the same period in 2018.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$961.5 billion, 0.7 percent (± 0.7 percent)* below the revised February estimate of \$968.6 billion. Residential construction was at a seasonally adjusted annual rate of \$500.9 billion in March, 1.8 percent (± 1.3 percent) below the revised February estimate of \$510.1 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$460.6 billion in March, 0.5 percent (± 0.7 percent)* above the revised February estimate of \$458.5 billion.

Public Construction

In March, the estimated seasonally adjusted annual rate of public construction spending was \$320.7 billion, 1.3 percent (± 2.0 percent)* below the revised February estimate of \$324.7 billion. Educational construction was at a seasonally adjusted annual rate of \$76.6 billion, 1.5 percent (± 3.5 percent)* below the revised February estimate of \$77.8 billion. Highway construction was at a seasonally adjusted annual rate of \$104.5 billion, 1.9 percent (± 5.8 percent)* below the revised February estimate of \$106.5 billion.

Data Inquiries

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Notice

Due to the lapse in federal funding from December 22, 2018 through January 25, 2019, annual revisions will be released later than normal. With the release of data for July 2019 on September 3, 2019, unadjusted data will be revised back to January 2013 and seasonally adjusted data will be revised back to January 2008.

The April 2019 Monthly Construction Spending Report is scheduled for release on June 3, 2019. View the full schedule in the Economic Briefing Room: <www.census.gov/economic-indicators/>. The full text and tables for this release can be found at <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 (±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, 1.06 percent; private construction, 1.39 percent; and public construction, 1.18 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
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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	Mar 2019 ^p	Feb 2019 ^f	Jan 2019 ^f	Dec 2018	Nov 2018	Mar 2018	Percent change Mar 2019 from -	
							Feb 2019	Mar 2018
Total Construction	1,282,205	1,293,330	1,284,654	1,275,953	1,273,143	1,293,125	-0.9	-0.8
Residential	506,975	516,121	518,012	533,086	528,539	553,217	-1.8	-8.4
Nonresidential	775,231	777,209	766,642	742,866	744,604	739,907	-0.3	4.8
Lodging	33,685	33,181	33,341	32,928	32,624	31,274	1.5	7.7
Office	77,426	76,665	76,625	74,809	73,911	71,272	1.0	8.6
Commercial	86,074	88,263	88,104	84,331	83,676	92,667	-2.5	-7.1
Health care	42,128	42,206	42,527	41,384	41,236	41,823	-0.2	0.7
Educational	96,736	98,116	98,406	96,356	97,927	92,908	-1.4	4.1
Religious	2,973	3,109	3,182	3,091	3,082	3,093	-4.4	-3.9
Public safety	9,539	9,679	9,466	9,478	9,263	8,900	-1.4	7.2
Amusement and recreation	27,065	27,692	26,990	26,914	27,219	25,099	-2.3	7.8
Transportation	52,737	52,381	54,114	51,094	53,550	49,446	0.7	6.7
Communication	23,414	23,183	23,435	24,697	23,714	27,553	1.0	-15.0
Power	100,986	99,796	99,016	98,189	98,562	97,187	1.2	3.9
Highway and street	104,921	107,045	97,994	88,031	90,230	92,551	-2.0	13.4
Sewage and waste disposal	24,221	23,938	24,053	22,209	22,473	22,173	1.2	9.2
Water supply	14,438	14,707	14,309	13,295	13,042	12,691	-1.8	13.8
Conservation and development	8,550	8,606	8,582	8,078	7,705	7,531	-0.7	13.5
Manufacturing	70,339	68,644	66,500	67,983	66,391	63,743	2.5	10.3
Total Private Construction¹	961,535	968,584	970,057	978,656	971,065	997,921	-0.7	-3.6
Residential	500,926	510,076	512,068	527,586	522,701	546,575	-1.8	-8.4
New single family	263,153	267,170	270,127	269,617	276,261	286,742	-1.5	-8.2
New multifamily	64,479	64,022	64,102	63,542	62,737	58,018	0.7	11.1
Nonresidential	460,609	458,508	457,988	451,071	448,364	451,346	0.5	2.1
Lodging	32,731	32,160	32,383	31,660	31,253	30,318	1.8	8.0
Office	66,957	66,415	66,534	64,960	64,570	62,258	0.8	7.5
Commercial	81,579	83,737	83,241	80,243	79,780	89,266	-2.6	-8.6
Health care	33,803	33,646	33,761	33,030	31,961	33,007	0.5	2.4
Educational	20,109	20,323	20,883	20,229	21,341	20,490	-1.1	-1.9
Religious	2,973	3,109	3,182	3,091	3,082	3,093	-4.4	-3.9
Amusement and recreation	14,622	14,521	14,525	14,715	14,945	14,123	0.7	3.5
Transportation	17,788	17,521	19,155	17,238	17,997	16,216	1.5	9.7
Communication	23,208	23,044	23,310	24,483	23,456	27,349	0.7	-15.1
Power	95,059	93,802	93,172	92,294	92,430	91,184	1.3	4.2
Manufacturing	70,184	68,489	66,356	67,837	66,222	63,262	2.5	10.9
Total Public Construction²	320,671	324,746	314,598	297,296	302,078	295,203	-1.3	8.6
Residential	6,049	6,044	5,944	5,501	5,839	6,642	0.1	-8.9
Nonresidential	314,622	318,702	308,653	291,796	296,240	288,561	-1.3	9.0
Office	10,469	10,251	10,091	9,849	9,341	9,014	2.1	16.1
Commercial	4,495	4,526	4,863	4,088	3,896	3,401	-0.7	32.2
Health care	8,325	8,560	8,766	8,354	9,275	8,817	-2.7	-5.6
Educational	76,627	77,793	77,523	76,128	76,587	72,418	-1.5	5.8
Public safety	9,382	9,492	9,248	9,278	9,086	8,798	-1.2	6.6
Amusement and recreation	12,443	13,171	12,465	12,200	12,274	10,975	-5.5	13.4
Transportation	34,949	34,860	34,959	33,857	35,553	33,230	0.3	5.2
Power	5,927	5,994	5,845	5,895	6,132	6,002	-1.1	-1.2
Highway and street	104,461	106,470	97,750	87,774	89,901	92,254	-1.9	13.2
Sewage and waste disposal	23,494	23,230	23,333	21,607	21,889	21,990	1.1	6.8
Water supply	14,215	14,460	14,066	13,080	12,819	12,525	-1.7	13.5
Conservation and development	8,522	8,580	8,520	8,061	7,690	7,498	-0.7	13.7

^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, May 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	Mar 2019 ^p	Feb 2019 ^r	Jan 2019 ^r	Dec 2018	Nov 2018	Mar 2018	Year-to-date		
							Mar 2019	Mar 2018	Percent change
Total Construction	98,355	90,445	88,866	95,917	105,945	98,867	277,667	278,259	-0.2
Residential	40,188	35,636	34,563	38,099	43,234	43,066	110,387	118,620	-6.9
Nonresidential	58,168	54,809	54,304	57,818	62,712	55,801	167,280	159,638	4.8
Lodging	2,781	2,599	2,607	2,672	2,731	2,600	7,988	7,347	8.7
Office	6,171	5,876	5,833	6,038	6,322	5,668	17,881	16,494	8.4
Commercial	6,715	6,470	6,386	6,637	7,017	7,239	19,571	20,548	-4.8
Health care	3,363	3,266	3,271	3,372	3,518	3,346	9,899	9,942	-0.4
Educational	7,034	6,760	6,718	6,850	7,526	6,776	20,512	19,434	5.5
Religious	227	221	227	245	252	239	675	684	-1.3
Public safety	738	711	727	777	801	693	2,177	2,008	8.4
Amusement and recreation	2,110	2,033	2,008	2,107	2,299	1,966	6,151	5,613	9.6
Transportation	3,950	3,637	3,799	4,064	4,625	3,693	11,385	10,645	7.0
Communication	1,912	1,725	1,739	2,333	2,187	2,238	5,375	5,968	-9.9
Power	8,129	7,901	7,952	8,276	8,525	7,845	23,982	23,281	3.0
Highway and street	5,818	5,110	4,659	5,211	7,552	5,160	15,587	13,651	14.2
Sewage and waste disposal	1,834	1,664	1,669	1,687	1,921	1,654	5,167	4,657	11.0
Water supply	1,100	1,039	1,014	1,014	1,100	978	3,154	2,784	13.3
Conservation and development	678	654	606	660	658	594	1,938	1,666	16.3
Manufacturing	5,608	5,142	5,089	5,874	5,677	5,113	15,839	14,917	6.2
Total Private Construction¹	76,399	69,984	69,100	74,982	81,065	78,553	215,483	221,304	-2.6
Residential	39,736	35,203	34,153	37,664	42,738	42,569	109,092	117,182	-6.9
New single family	20,575	17,796	18,738	20,007	24,170	22,441	57,109	61,337	-6.9
New multifamily	5,274	5,013	5,004	4,890	5,256	4,741	15,291	13,974	9.4
Nonresidential	36,663	34,781	34,947	37,317	38,328	35,984	106,391	104,123	2.2
Lodging	2,702	2,514	2,527	2,567	2,617	2,520	7,743	7,112	8.9
Office	5,349	5,114	5,090	5,235	5,535	4,957	15,552	14,452	7.6
Commercial	6,370	6,134	6,036	6,304	6,678	6,975	18,540	19,784	-6.3
Health care	2,690	2,589	2,589	2,694	2,753	2,618	7,868	7,793	1.0
Educational	1,577	1,514	1,545	1,527	1,676	1,627	4,636	4,673	-0.8
Religious	227	221	227	245	252	239	675	684	-1.3
Amusement and recreation	1,168	1,114	1,134	1,188	1,260	1,139	3,416	3,320	2.9
Transportation	1,285	1,163	1,357	1,465	1,588	1,153	3,805	3,387	12.3
Communication	1,895	1,713	1,728	2,315	2,166	2,221	5,336	5,935	-10.1
Power	7,687	7,452	7,532	7,818	8,024	7,405	22,671	22,035	2.9
Manufacturing	5,595	5,129	5,077	5,862	5,663	5,073	15,802	14,805	6.7
Total Public Construction²	21,957	20,461	19,767	20,936	24,880	20,313	62,184	56,954	9.2
Residential	452	434	409	435	496	497	1,294	1,439	-10.1
Nonresidential	21,505	20,027	19,357	20,501	24,384	19,817	60,890	55,516	9.7
Office	823	762	743	803	786	711	2,328	2,043	14.0
Commercial	345	336	350	334	339	264	1,031	764	34.9
Health care	673	676	682	679	765	728	2,032	2,149	-5.4
Educational	5,457	5,246	5,173	5,323	5,850	5,149	15,876	14,762	7.5
Public safety	726	697	709	762	786	685	2,131	1,984	7.4
Amusement and recreation	941	919	874	919	1,039	827	2,735	2,293	19.3
Transportation	2,665	2,474	2,442	2,599	3,037	2,540	7,581	7,258	4.5
Power	442	450	420	458	501	440	1,312	1,247	5.2
Highway and street	5,786	5,073	4,642	5,194	7,522	5,140	15,501	13,603	14.0
Sewage and waste disposal	1,779	1,610	1,622	1,640	1,872	1,641	5,011	4,623	8.4
Water supply	1,084	1,022	997	997	1,080	965	3,102	2,751	12.8
Conservation and development	676	652	601	659	656	591	1,929	1,661	16.1

^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, May 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	0.8	0.6	0.9
Residential	3.6	2.6	3.8	2.2	4.0
Nonresidential	0.8	0.5	0.8	0.6	0.9
Lodging	1.8	1.9	2.4	1.4	2.6
Office	1.8	1.6	1.8	1.1	1.8
Commercial	2.0	1.5	2.3	1.2	1.5
Health care	1.7	1.6	1.8	1.0	1.9
Educational	1.9	1.4	2.2	1.7	3.4
Religious	6.0	6.2	6.4	4.4	6.8
Public safety	3.1	3.8	4.6	2.2	3.9
Amusement and recreation	2.6	1.9	2.4	1.3	2.9
Transportation	1.3	1.0	1.5	0.9	1.9
Communication	NA	NA	NA	NA	NA
Power	0.4	0.7	0.3	0.2	0.3
Highway and street	3.4	2.6	4.2	3.5	4.8
Sewage and waste disposal	3.6	2.7	4.4	3.8	5.1
Water supply	4.5	4.9	6.3	5.9	6.1
Conservation and development	2.2	1.7	3.2	1.9	3.4
Manufacturing	0.9	0.7	1.4	0.7	1.6
Total Private Construction	0.6	0.6	0.8	0.4	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	5.9	6.2	3.4	1.6	3.6
Nonresidential	0.6	0.6	0.8	0.4	0.7
Lodging	1.8	1.9	2.4	1.4	2.6
Office	2.0	1.8	1.9	1.2	1.9
Commercial	2.0	1.5	2.3	1.2	1.5
Health care	2.1	1.9	2.2	1.1	2.3
Educational	2.3	2.0	2.5	1.2	2.7
Religious	5.9	6.2	6.4	4.4	6.8
Amusement and recreation	2.7	2.0	2.5	1.2	3.1
Transportation	1.2	1.5	2.2	1.6	2.3
Communication	NA	NA	NA	NA	NA
Power	0.3	0.7	0.2	0.1	0.2
Manufacturing	0.9	0.7	1.5	0.7	1.6
Total Public Construction	1.3	0.9	1.4	1.2	1.9
Residential	3.6	2.6	3.8	2.2	4.0
Nonresidential	1.4	0.9	1.5	1.2	1.9
Office	3.9	3.3	3.9	2.3	4.6
Commercial	5.8	6.0	10.9	3.1	9.9
Health care	2.5	2.4	2.6	1.3	2.8
Educational	2.3	1.7	2.8	2.1	4.4
Public safety	3.2	3.8	4.6	2.2	4.0
Amusement and recreation	4.5	3.2	4.5	2.3	5.5
Transportation	1.6	1.2	1.9	1.1	2.2
Power	6.8	4.9	5.2	4.5	7.5
Highway and street	3.4	2.6	4.2	3.5	4.8
Sewage and waste disposal	3.7	2.8	4.4	3.9	5.1
Water supply	4.6	5.0	6.3	6.0	6.2
Conservation and development	2.2	1.7	3.2	1.9	3.4

NA Not applicable

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