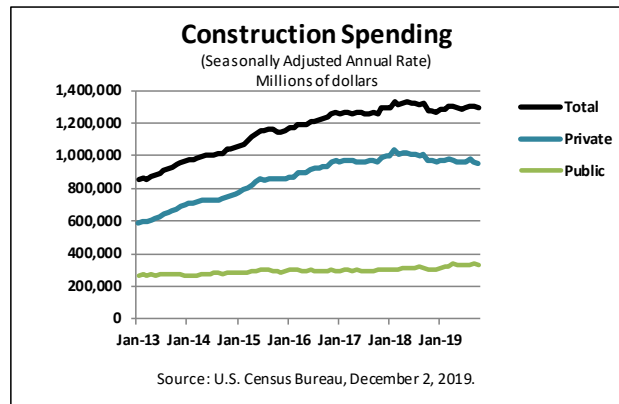


MONTHLY CONSTRUCTION SPENDING, OCTOBER 2019

Release Number: CB19-177

December 2, 2019 — The U.S. Census Bureau announced the following value put in place construction statistics for October 2019:

CONSTRUCTION SPENDING	
OCTOBER 2019	\$1,291.1 billion
SEPTEMBER 2019 (revised)	\$1,301.8 billion
Next release: January 3, 2020	
Seasonally Adjusted Annual Rate	
Source: U.S. Census Bureau, December 2, 2019	



Total Construction

Construction spending during October 2019 was estimated at a seasonally adjusted annual rate of \$1,291.1 billion, 0.8 percent (± 1.0 percent)* below the revised September estimate of \$1,301.8 billion. The October figure is 1.1 percent (± 1.5 percent)* above the October 2018 estimate of \$1,277.4 billion. During the first ten months of this year, construction spending amounted to \$1,086.5 billion, 1.7 percent (± 1.2 percent) below the \$1,105.2 billion for the same period in 2018.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$956.3 billion, 1.0 percent (± 0.7 percent) below the revised September estimate of \$966.1 billion. Residential construction was at a seasonally adjusted annual rate of \$508.2 billion in October, 0.9 percent (± 1.3 percent)* below the revised September estimate of \$512.6 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$448.1 billion in October, 1.2 percent (± 0.7 percent) below the revised September estimate of \$453.5 billion.

Public Construction

In October, the estimated seasonally adjusted annual rate of public construction spending was \$334.8 billion, 0.2 percent (± 1.6 percent)* below the revised September estimate of \$335.6 billion. Educational construction was at a seasonally adjusted annual rate of \$83.3 billion, 2.5 percent (± 2.6 percent)* above the revised September estimate of \$81.3 billion. Highway construction was at a seasonally adjusted annual rate of \$95.0 billion, 2.2 percent (± 3.9 percent)* below the revised September estimate of \$97.1 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 November 2019 Monthly Construction Spending Report is scheduled for release on January 3, 2020. 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/meth.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
U.S. CENSUS BUREAU
census.gov

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 2019 ^p	Sep 2019 ^f	Aug 2019 ^f	Jul 2019	Jun 2019	Oct 2018	Percent change Oct 2019 from -	
							Sep 2019	Oct 2018
Total Construction	1,291,069	1,301,764	1,305,986	1,291,250	1,285,299	1,277,371	-0.8	1.1
Residential	514,540	519,446	525,229	510,759	505,833	511,830	-0.9	0.5
Nonresidential	776,529	782,318	780,757	780,491	779,466	765,541	-0.7	1.4
Lodging	32,995	33,322	33,588	33,889	35,343	32,856	-1.0	0.4
Office	79,908	79,954	79,997	79,275	78,537	77,612	-0.1	3.0
Commercial	81,142	83,018	83,506	84,691	85,440	96,923	-2.3	-16.3
Health care	43,603	43,845	43,411	44,148	43,761	43,094	-0.6	1.2
Educational	101,662	100,085	97,256	95,471	91,819	97,617	1.6	4.1
Religious	2,808	2,642	2,827	2,917	2,733	3,119	6.3	-10.0
Public safety	10,919	10,698	10,673	10,392	10,246	10,015	2.1	9.0
Amusement and recreation	26,516	26,981	27,961	27,596	28,397	29,174	-1.7	-9.1
Transportation	55,214	55,868	55,512	55,782	56,992	51,826	-1.2	6.5
Communication	23,056	23,521	23,676	23,399	23,306	24,044	-2.0	-4.1
Power	97,668	99,168	100,922	97,990	98,695	93,173	-1.5	4.8
Highway and street	95,316	97,447	95,429	97,367	100,694	87,923	-2.2	8.4
Sewage and waste disposal	27,138	27,298	26,778	27,203	27,138	22,793	-0.6	19.1
Water supply	17,469	17,301	16,428	17,201	16,503	14,953	1.0	16.8
Conservation and development	9,607	9,420	9,803	9,524	9,097	8,682	2.0	10.7
Manufacturing	71,509	71,751	72,991	73,647	70,765	71,738	-0.3	-0.3
Total Private Construction¹	956,272	966,135	976,716	962,690	959,160	973,700	-1.0	-1.8
Residential	508,198	512,634	518,495	504,636	499,610	505,566	-0.9	0.5
New single family	279,080	274,596	271,037	267,723	264,179	287,992	1.6	-3.1
New multifamily	59,466	60,403	61,120	63,202	62,872	60,768	-1.6	-2.1
Nonresidential	448,073	453,501	458,221	458,054	459,550	468,134	-1.2	-4.3
Lodging	31,938	32,303	32,619	32,928	34,441	31,546	-1.1	1.2
Office	68,633	68,766	68,925	68,636	68,140	67,931	-0.2	1.0
Commercial	76,640	78,540	79,306	79,786	81,217	93,162	-2.4	-17.7
Health care	34,657	34,561	34,317	35,292	34,848	33,843	0.3	2.4
Educational	18,313	18,785	18,610	18,640	17,984	21,734	-2.5	-15.7
Religious	2,808	2,642	2,827	2,917	2,733	3,119	6.3	-10.0
Amusement and recreation	12,817	13,363	13,765	13,593	14,342	15,687	-4.1	-18.3
Transportation	16,079	16,491	16,375	16,424	17,179	17,178	-2.5	-6.4
Communication	22,957	23,408	23,556	23,274	23,192	23,727	-1.9	-3.2
Power	90,529	91,756	93,574	91,635	93,434	87,342	-1.3	3.6
Manufacturing	71,237	71,501	72,708	73,330	70,474	71,400	-0.4	-0.2
Total Public Construction²	334,797	335,629	329,270	328,560	326,139	303,671	-0.2	10.2
Residential	6,341	6,812	6,734	6,123	6,223	6,264	-6.9	1.2
Nonresidential	328,456	328,817	322,536	322,437	319,916	297,407	-0.1	10.4
Office	11,275	11,188	11,072	10,639	10,397	9,681	0.8	16.5
Commercial	4,502	4,478	4,200	4,905	4,224	3,762	0.5	19.7
Health care	8,946	9,285	9,094	8,856	8,913	9,251	-3.7	-3.3
Educational	83,349	81,301	78,646	76,831	73,835	75,882	2.5	9.8
Public safety	10,816	10,541	10,462	10,143	10,030	9,870	2.6	9.6
Amusement and recreation	13,699	13,618	14,197	14,003	14,055	13,487	0.6	1.6
Transportation	39,135	39,377	39,137	39,358	39,813	34,648	-0.6	13.0
Power	7,139	7,412	7,348	6,355	5,261	5,831	-3.7	22.4
Highway and street	94,964	97,149	95,138	97,051	100,384	87,611	-2.2	8.4
Sewage and waste disposal	26,490	26,723	26,185	26,554	26,437	22,183	-0.9	19.4
Water supply	17,178	17,008	16,138	16,881	16,217	14,578	1.0	17.8
Conservation and development	9,535	9,356	9,549	9,458	9,045	8,659	1.9	10.1

^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, December 2, 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	Oct 2019 ^p	Sep 2019 ^r	Aug 2019 ^r	Jul 2019	Jun 2019	Oct 2018	Year-to-date		
							Oct 2019	Oct 2018	Percent change
Total Construction	115,501	118,035	120,278	118,902	115,887	115,002	1,086,534	1,105,244	-1.7
Residential	45,620	46,534	47,954	47,610	46,002	46,233	431,641	464,578	-7.1
Nonresidential	69,881	71,502	72,324	71,292	69,885	68,770	654,894	640,666	2.2
Lodging	2,811	2,855	2,867	2,905	3,004	2,809	28,290	26,240	7.8
Office	7,026	7,055	6,906	6,779	6,765	6,804	65,938	62,085	6.2
Commercial	7,282	7,425	7,466	7,411	7,454	8,714	70,099	81,302	-13.8
Health care	3,840	3,882	3,731	3,743	3,730	3,777	36,815	35,656	3.3
Educational	8,483	8,966	9,966	9,917	9,127	8,091	83,320	83,630	-0.4
Religious	255	241	261	257	234	284	2,406	2,744	-12.3
Public safety	986	1,024	943	864	879	890	8,396	7,845	7.0
Amusement and recreation	2,354	2,448	2,496	2,417	2,478	2,584	23,301	23,373	-0.3
Transportation	5,080	5,092	4,999	4,957	5,046	4,767	45,622	42,678	6.9
Communication	2,035	2,001	2,020	1,915	1,872	2,111	19,111	20,085	-4.8
Power	8,397	8,329	8,418	8,119	8,394	8,039	82,637	77,596	6.5
Highway and street	10,208	10,836	11,098	10,963	10,150	9,406	85,665	78,489	9.1
Sewage and waste disposal	2,558	2,530	2,500	2,451	2,449	2,157	21,939	20,146	8.9
Water supply	1,566	1,592	1,516	1,549	1,494	1,336	13,540	13,148	3.0
Conservation and development	800	986	893	803	736	738	7,593	6,882	10.3
Manufacturing	6,201	6,240	6,246	6,244	6,074	6,264	60,223	58,767	2.5
Total Private Construction¹	84,234	85,161	86,804	86,138	84,886	86,712	808,706	843,979	-4.2
Residential	45,064	45,900	47,339	47,064	45,438	45,676	426,372	459,004	-7.1
New single family	25,408	25,526	25,274	24,666	23,542	26,122	226,333	244,654	-7.5
New multifamily	5,178	5,058	5,309	5,304	5,423	5,291	51,997	49,654	4.7
Nonresidential	39,170	39,262	39,465	39,074	39,448	41,036	382,334	384,975	-0.7
Lodging	2,723	2,770	2,786	2,824	2,929	2,699	27,443	25,387	8.1
Office	6,025	6,034	5,922	5,871	5,855	5,955	57,119	53,811	6.1
Commercial	6,897	7,000	7,101	7,001	7,078	8,397	66,541	78,378	-15.1
Health care	3,084	3,044	2,940	2,989	2,973	2,986	29,342	27,751	5.7
Educational	1,503	1,549	1,692	1,714	1,685	1,781	16,235	18,246	-11.0
Religious	255	241	261	257	234	284	2,406	2,744	-12.3
Amusement and recreation	1,105	1,171	1,203	1,182	1,224	1,372	11,927	12,981	-8.1
Transportation	1,488	1,464	1,437	1,414	1,529	1,586	13,578	13,442	1.0
Communication	2,027	1,992	2,010	1,905	1,862	2,084	18,994	19,940	-4.7
Power	7,756	7,649	7,746	7,559	7,888	7,527	77,412	72,976	6.1
Manufacturing	6,178	6,220	6,222	6,218	6,050	6,236	60,024	58,342	2.9
Total Public Construction²	31,267	32,874	33,474	32,764	31,002	28,291	277,829	261,265	6.3
Residential	556	634	615	546	565	557	5,269	5,574	-5.5
Nonresidential	30,711	32,240	32,859	32,218	30,437	27,734	272,560	255,691	6.6
Office	1,001	1,022	984	908	910	850	8,819	8,274	6.6
Commercial	385	425	364	410	375	317	3,559	2,924	21.7
Health care	756	838	790	754	757	791	7,473	7,904	-5.5
Educational	6,981	7,416	8,274	8,203	7,442	6,310	67,085	65,384	2.6
Public safety	977	1,010	926	844	860	877	8,231	7,705	6.8
Amusement and recreation	1,249	1,276	1,293	1,235	1,254	1,212	11,373	10,393	9.4
Transportation	3,592	3,627	3,562	3,543	3,517	3,182	32,044	29,236	9.6
Power	641	680	673	560	507	512	5,225	4,620	13.1
Highway and street	10,176	10,808	11,072	10,931	10,120	9,377	85,380	78,256	9.1
Sewage and waste disposal	2,503	2,477	2,447	2,397	2,388	2,105	21,370	19,793	8.0
Water supply	1,539	1,564	1,488	1,521	1,469	1,302	13,298	12,921	2.9
Conservation and development	794	981	872	798	731	736	7,541	6,859	9.9

^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, December 2, 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	0.7	0.5	0.7	0.6	0.9
Residential	3.5	2.7	3.8	6.8	8.4
Nonresidential	0.7	0.5	0.7	0.6	0.9
Lodging	1.6	1.4	1.7	0.6	1.6
Office	1.6	1.4	1.6	0.9	1.6
Commercial	1.8	1.0	1.6	1.1	1.9
Health care	1.8	1.7	1.7	1.1	3.6
Educational	1.5	1.2	2.0	1.4	2.4
Religious	6.5	5.5	5.0	3.8	6.8
Public safety	3.3	2.8	3.9	2.3	6.1
Amusement and recreation	2.1	1.5	2.0	1.4	2.5
Transportation	1.2	0.8	1.4	1.1	1.7
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.5	0.3	0.6
Highway and street	3.0	1.7	3.0	2.4	4.0
Sewage and waste disposal	3.5	2.5	3.3	2.7	5.2
Water supply	3.9	2.6	3.9	3.5	5.9
Conservation and development	2.0	1.6	2.2	1.7	3.2
Manufacturing	0.8	1.1	1.3	0.6	1.4
Total Private Construction	0.6	0.5	0.6	0.4	0.8
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	6.1	5.9	3.4	1.5	3.6
Nonresidential	0.6	0.5	0.6	0.4	0.8
Lodging	1.6	1.5	1.7	0.6	1.6
Office	1.8	1.6	1.7	0.9	1.7
Commercial	1.8	1.1	1.7	1.1	2.0
Health care	2.2	2.0	2.0	1.3	4.4
Educational	2.4	2.2	2.4	1.3	2.4
Religious	6.5	5.5	5.0	3.8	6.8
Amusement and recreation	2.2	1.5	1.8	1.6	1.9
Transportation	1.4	1.3	1.3	0.5	1.4
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.4	0.1	0.6
Manufacturing	0.8	1.1	1.3	0.6	1.4
Total Public Construction	1.2	0.7	1.2	1.0	1.7
Residential	3.5	2.7	3.8	6.8	8.4
Nonresidential	1.2	0.7	1.2	1.1	1.7
Office	2.8	2.0	4.3	2.4	3.7
Commercial	4.7	3.1	5.7	2.2	7.4
Health care	2.6	3.6	3.5	1.6	2.8
Educational	1.8	1.4	2.5	1.6	3.1
Public safety	3.3	2.8	4.0	2.3	6.2
Amusement and recreation	3.5	2.6	4.0	2.2	5.0
Transportation	1.5	1.0	1.8	1.3	2.1
Power	5.7	5.7	7.5	6.0	8.1
Highway and street	3.0	1.7	3.0	2.4	4.1
Sewage and waste disposal	3.6	2.5	3.3	2.7	5.3
Water supply	3.9	2.6	4.0	3.5	5.7
Conservation and development	2.0	1.6	2.2	1.7	3.2

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, December 2, 2019. Additional information on the survey methodology may be found at <www.census.gov/construction/c30/meth.html>