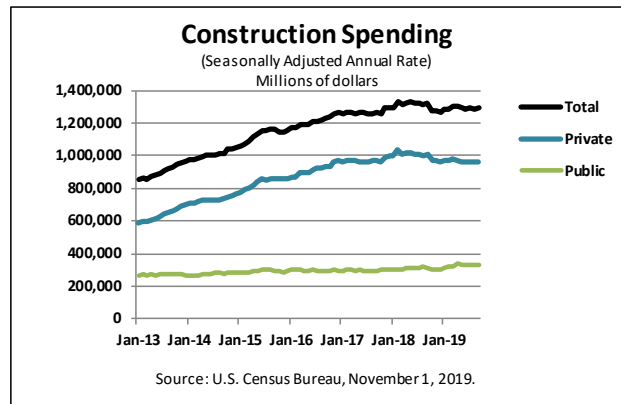


## MONTHLY CONSTRUCTION SPENDING, SEPTEMBER 2019

Release Number: CB19-167

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

CONSTRUCTION SPENDING	
SEPTEMBER 2019	\$1,293.6 billion
AUGUST 2019 (revised)	\$1,287.1 billion
Next release: December 2, 2019	
Seasonally Adjusted Annual Rate	
Source: U.S. Census Bureau, November 1, 2019	



### Total Construction

Construction spending during September 2019 was estimated at a seasonally adjusted annual rate of \$1,293.6 billion, 0.5 percent ( $\pm 1.0$  percent)\* above the revised August estimate of \$1,287.1 billion. The September figure is 2.0 percent ( $\pm 1.8$  percent) below the September 2018 estimate of \$1,319.7 billion. During the first nine months of this year, construction spending amounted to \$968.7 billion, 2.2 percent ( $\pm 1.2$  percent) below the \$990.2 billion for the same period in 2018.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$961.7 billion, 0.2 percent ( $\pm 0.7$  percent)\* above the revised August estimate of \$959.9 billion. Residential construction was at a seasonally adjusted annual rate of \$511.4 billion in September, 0.6 percent ( $\pm 1.3$  percent)\* above the revised August estimate of \$508.4 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$450.3 billion in September, 0.3 percent ( $\pm 0.7$  percent)\* below the revised August estimate of \$451.4 billion.

### Public Construction

In September, the estimated seasonally adjusted annual rate of public construction spending was \$331.9 billion, 1.5 percent ( $\pm 1.8$  percent)\* above the revised August estimate of \$327.2 billion. Educational construction was at a seasonally adjusted annual rate of \$78.9 billion, 3.1 percent ( $\pm 1.8$  percent) above the revised August estimate of \$76.5 billion. Highway construction was at a seasonally adjusted annual rate of \$98.0 billion, 2.6 percent ( $\pm 4.4$  percent)\* above the revised August estimate of \$95.5 billion.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
301-763-1605  
[eid.ceb.customer.service@census.gov](mailto:eid.ceb.customer.service@census.gov)

#### Media Inquiries

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301-763-3030  
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## Notice

New Length of Time data for Private Nonresidential, Private Multifamily and State and Local Construction are available. Go to the Related Studies menu on our website.

The October 2019 Monthly Construction Spending Report is scheduled for release on December 2, 2019. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. The full text and tables for this release can be found at <[www.census.gov/constructionspending/](http://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 ( $\pm$ 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, 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/](http://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/](http://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.

### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
301-763-1605  
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U.S. Department of Commerce  
U.S. CENSUS BUREAU  
[census.gov](http://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	Sep 2019 <sup>p</sup>	Aug 2019 <sup>f</sup>	Jul 2019 <sup>f</sup>	Jun 2019	May 2019	Sep 2018	Percent change Sep 2019 from -	
							Aug 2019	Sep 2018
<b>Total Construction</b>	<b>1,293,614</b>	<b>1,287,054</b>	<b>1,291,250</b>	<b>1,285,299</b>	<b>1,297,464</b>	<b>1,319,675</b>	<b>0.5</b>	<b>-2.0</b>
Residential	517,977	515,054	510,759	505,833	509,632	536,729	0.6	-3.5
Nonresidential	775,637	772,000	780,491	779,466	787,831	782,946	0.5	-0.9
Lodging	33,253	33,666	33,889	35,343	34,359	32,990	-1.2	0.8
Office	79,778	79,552	79,275	78,537	78,479	77,694	0.3	2.7
Commercial	81,957	82,470	84,691	85,440	83,528	100,661	-0.6	-18.6
Health care	43,605	43,291	44,148	43,761	43,972	42,467	0.7	2.7
Educational	97,183	94,533	95,471	91,819	97,651	100,184	2.8	-3.0
Religious	2,659	2,719	2,917	2,733	2,839	3,006	-2.2	-11.5
Public safety	10,289	10,488	10,392	10,246	10,063	9,486	-1.9	8.5
Amusement and recreation	27,170	28,184	27,596	28,397	28,144	28,779	-3.6	-5.6
Transportation	55,564	55,654	55,782	56,992	56,420	52,607	-0.2	5.6
Communication	23,522	23,741	23,399	23,306	23,507	24,197	-0.9	-2.8
Power	95,581	96,770	97,990	98,695	101,338	95,948	-1.2	-0.4
Highway and street	98,263	95,759	97,367	100,694	105,451	92,387	2.6	6.4
Sewage and waste disposal	27,303	27,196	27,203	27,138	27,186	23,142	0.4	18.0
Water supply	17,839	16,905	17,201	16,503	16,035	14,844	5.5	20.2
Conservation and development	9,171	9,405	9,524	9,097	8,644	9,006	-2.5	1.8
Manufacturing	72,502	71,667	73,647	70,765	70,216	75,550	1.2	-4.0
<b>Total Private Construction<sup>1</sup></b>	<b>961,670</b>	<b>959,859</b>	<b>962,690</b>	<b>959,160</b>	<b>962,688</b>	<b>1,008,142</b>	<b>0.2</b>	<b>-4.6</b>
Residential	511,419	508,449	504,636	499,610	503,578	530,462	0.6	-3.6
New single family	274,612	271,120	267,723	264,179	265,324	288,848	1.3	-4.9
New multifamily	61,533	61,993	63,202	62,872	63,650	60,959	-0.7	0.9
Nonresidential	450,251	451,410	458,054	459,550	459,111	477,680	-0.3	-5.7
Lodging	32,366	32,782	32,928	34,441	33,179	31,734	-1.3	2.0
Office	69,022	68,799	68,636	68,140	68,381	68,267	0.3	1.1
Commercial	77,415	78,033	79,786	81,217	79,313	96,816	-0.8	-20.0
Health care	34,502	34,222	35,292	34,848	34,864	32,969	0.8	4.6
Educational	18,318	18,073	18,640	17,984	18,766	21,228	1.4	-13.7
Religious	2,659	2,719	2,917	2,733	2,839	3,006	-2.2	-11.5
Amusement and recreation	13,429	13,753	13,593	14,342	14,516	15,966	-2.4	-15.9
Transportation	16,505	16,395	16,424	17,179	17,197	16,806	0.7	-1.8
Communication	23,416	23,620	23,274	23,192	23,313	23,878	-0.9	-1.9
Power	88,944	90,197	91,635	93,434	95,359	90,631	-1.4	-1.9
Manufacturing	72,290	71,415	73,330	70,474	69,967	75,099	1.2	-3.7
<b>Total Public Construction<sup>2</sup></b>	<b>331,944</b>	<b>327,195</b>	<b>328,560</b>	<b>326,139</b>	<b>334,775</b>	<b>311,534</b>	<b>1.5</b>	<b>6.6</b>
Residential	6,558	6,605	6,123	6,223	6,055	6,267	-0.7	4.6
Nonresidential	325,386	320,591	322,437	319,916	328,721	305,267	1.5	6.6
Office	10,756	10,753	10,639	10,397	10,098	9,428	0.0	14.1
Commercial	4,542	4,437	4,905	4,224	4,215	3,845	2.4	18.1
Health care	9,103	9,070	8,856	8,913	9,108	9,497	0.4	-4.1
Educational	78,864	76,459	76,831	73,835	78,885	78,956	3.1	-0.1
Public safety	10,078	10,246	10,143	10,030	9,848	9,315	-1.6	8.2
Amusement and recreation	13,741	14,431	14,003	14,055	13,628	12,813	-4.8	7.2
Transportation	39,059	39,259	39,358	39,813	39,223	35,800	-0.5	9.1
Power	6,638	6,573	6,355	5,261	5,980	5,317	1.0	24.8
Highway and street	97,982	95,482	97,051	100,384	105,169	92,111	2.6	6.4
Sewage and waste disposal	26,732	26,647	26,554	26,437	26,546	22,511	0.3	18.8
Water supply	17,560	16,622	16,881	16,217	15,785	14,665	5.6	19.7
Conservation and development	9,129	9,354	9,458	9,045	8,616	8,984	-2.4	1.6

<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.

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, November 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](http://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	Sep 2019 <sup>p</sup>	Aug 2019 <sup>r</sup>	Jul 2019 <sup>r</sup>	Jun 2019	May 2019	Sep 2018	Year-to-date		
							Sep 2019	Sep 2018	Percent change
<b>Total Construction</b>	<b>116,828</b>	<b>119,109</b>	<b>118,902</b>	<b>115,887</b>	<b>112,691</b>	<b>118,968</b>	<b>968,658</b>	<b>990,242</b>	<b>-2.2</b>
Residential	46,108	47,744	47,610	46,002	44,863	47,817	385,385	418,345	-7.9
Nonresidential	70,721	71,365	71,292	69,885	67,828	71,151	583,273	571,896	2.0
Lodging	2,845	2,873	2,905	3,004	2,961	2,807	25,475	23,431	8.7
Office	7,032	6,858	6,779	6,765	6,705	6,850	58,841	55,280	6.4
Commercial	7,284	7,354	7,411	7,454	7,127	9,157	62,565	72,588	-13.8
Health care	3,856	3,718	3,743	3,730	3,774	3,722	32,937	31,878	3.3
Educational	8,709	9,666	9,917	9,127	8,359	8,889	74,280	75,539	-1.7
Religious	245	249	257	234	241	278	2,142	2,461	-13.0
Public safety	980	932	864	879	853	891	7,356	6,955	5.8
Amusement and recreation	2,438	2,514	2,417	2,478	2,501	2,560	20,955	20,790	0.8
Transportation	5,047	5,012	4,957	5,046	4,906	4,786	40,510	37,911	6.9
Communication	1,982	2,017	1,915	1,872	1,943	2,014	17,054	17,974	-5.1
Power	7,972	8,022	8,119	8,394	8,613	8,002	73,486	69,557	5.6
Highway and street	10,906	11,107	10,963	10,150	9,409	10,222	75,536	69,083	9.3
Sewage and waste disposal	2,530	2,547	2,451	2,449	2,358	2,132	19,428	17,989	8.0
Water supply	1,639	1,552	1,549	1,494	1,409	1,340	12,059	11,812	2.1
Conservation and development	959	857	803	736	712	918	6,730	6,145	9.5
Manufacturing	6,298	6,085	6,244	6,074	5,959	6,583	53,919	52,503	2.7
<b>Total Private Construction<sup>1</sup></b>	<b>84,347</b>	<b>85,889</b>	<b>86,138</b>	<b>84,886</b>	<b>83,633</b>	<b>88,674</b>	<b>722,742</b>	<b>757,268</b>	<b>-4.6</b>
Residential	45,498	47,139	47,064	45,438	44,324	47,251	380,707	413,328	-7.9
New single family	25,561	25,308	24,666	23,542	22,589	26,836	200,994	218,532	-8.0
New multifamily	5,155	5,388	5,304	5,423	5,477	5,183	46,996	44,363	5.9
Nonresidential	38,849	38,750	39,074	39,448	39,309	41,423	342,036	343,939	-0.6
Lodging	2,771	2,799	2,824	2,929	2,863	2,703	24,734	22,688	9.0
Office	6,057	5,903	5,871	5,855	5,826	6,002	51,099	47,856	6.8
Commercial	6,853	6,966	7,001	7,078	6,772	8,781	59,362	69,981	-15.2
Health care	3,045	2,934	2,989	2,973	3,001	2,891	26,254	24,765	6.0
Educational	1,505	1,642	1,714	1,685	1,712	1,740	14,638	16,465	-11.1
Religious	245	249	257	234	241	278	2,142	2,461	-13.0
Amusement and recreation	1,164	1,199	1,182	1,224	1,286	1,370	10,811	11,609	-6.9
Transportation	1,462	1,437	1,414	1,529	1,546	1,475	12,088	11,857	1.9
Communication	1,973	2,007	1,905	1,862	1,927	1,987	16,946	17,855	-5.1
Power	7,367	7,425	7,559	7,888	8,072	7,530	69,053	65,449	5.5
Manufacturing	6,280	6,064	6,218	6,050	5,938	6,546	53,748	52,106	3.2
<b>Total Public Construction<sup>2</sup></b>	<b>32,481</b>	<b>33,220</b>	<b>32,764</b>	<b>31,002</b>	<b>29,058</b>	<b>30,294</b>	<b>245,915</b>	<b>232,974</b>	<b>5.6</b>
Residential	609	605	546	565	539	566	4,678	5,017	-6.8
Nonresidential	31,872	32,615	32,218	30,437	28,519	29,728	241,237	227,957	5.8
Office	976	955	908	910	879	848	7,742	7,424	4.3
Commercial	431	388	410	375	355	376	3,203	2,607	22.9
Health care	811	785	754	757	773	831	6,683	7,113	-6.0
Educational	7,203	8,024	8,203	7,442	6,647	7,150	59,643	59,074	1.0
Public safety	963	913	844	860	832	876	7,193	6,828	5.3
Amusement and recreation	1,275	1,315	1,235	1,254	1,215	1,190	10,145	9,181	10.5
Transportation	3,585	3,575	3,543	3,517	3,360	3,311	28,422	26,054	9.1
Power	605	597	560	507	542	471	4,433	4,108	7.9
Highway and street	10,880	11,082	10,931	10,120	9,384	10,195	75,286	68,879	9.3
Sewage and waste disposal	2,477	2,499	2,397	2,388	2,299	2,072	18,919	17,688	7.0
Water supply	1,613	1,525	1,521	1,469	1,388	1,323	11,846	11,619	2.0
Conservation and development	955	853	798	731	710	916	6,703	6,123	9.5

<sup>p</sup> Preliminary <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.

Source: U.S. Census Bureau, Construction Spending, November 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](http://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
<b>Total Construction</b>	<b>0.7</b>	<b>0.5</b>	<b>0.7</b>	<b>0.6</b>	<b>1.1</b>
Residential	3.1	2.8	3.8	2.2	5.3
Nonresidential	0.7	0.5	0.7	0.6	1.1
Lodging	1.7	1.6	1.8	0.6	1.6
Office	1.7	1.4	1.6	1.3	1.9
Commercial	1.8	1.1	1.7	1.3	1.9
Health care	1.8	1.7	1.7	0.8	4.5
Educational	1.5	1.1	2.0	1.0	2.7
Religious	6.4	4.6	4.8	4.1	5.7
Public safety	3.2	2.8	3.8	2.0	5.8
Amusement and recreation	2.1	1.5	2.1	1.5	2.6
Transportation	1.2	0.9	1.5	1.0	1.7
Communication	NA	NA	NA	NA	NA
Power	0.4	0.3	0.4	0.2	0.6
Highway and street	3.1	1.7	3.2	2.7	5.3
Sewage and waste disposal	3.5	2.5	3.2	2.6	4.9
Water supply	3.9	2.6	4.3	3.4	6.8
Conservation and development	2.1	1.6	2.3	1.7	2.6
Manufacturing	0.7	1.2	1.4	0.5	1.8
<b>Total Private Construction</b>	<b>0.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.4</b>	<b>0.9</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 multifamily	6.1	6.1	4.1	1.6	4.1
Nonresidential	0.6	0.5	0.7	0.4	0.9
Lodging	1.7	1.6	1.8	0.6	1.7
Office	1.9	1.6	1.7	1.5	2.1
Commercial	1.8	1.1	1.8	1.3	1.9
Health care	2.2	2.0	2.1	0.9	5.5
Educational	2.4	2.3	2.6	1.4	2.7
Religious	6.4	4.6	4.8	4.1	5.7
Amusement and recreation	2.2	1.5	1.9	1.1	1.9
Transportation	1.4	1.4	1.5	0.7	1.3
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.4	0.1	0.6
Manufacturing	0.7	1.2	1.4	0.5	1.8
<b>Total Public Construction</b>	<b>1.2</b>	<b>0.7</b>	<b>1.3</b>	<b>1.1</b>	<b>2.2</b>
Residential	3.1	2.8	3.8	2.2	5.3
Nonresidential	1.2	0.7	1.3	1.1	2.2
Office	2.9	2.1	4.5	2.0	4.4
Commercial	4.9	4.2	6.9	6.2	9.6
Health care	2.6	2.2	2.2	1.5	3.2
Educational	1.8	1.3	2.5	1.1	3.4
Public safety	3.2	2.8	3.8	2.1	5.8
Amusement and recreation	3.5	2.7	4.2	2.7	5.7
Transportation	1.5	1.0	1.9	1.2	2.1
Power	5.6	4.9	6.8	4.3	11.0
Highway and street	3.1	1.7	3.2	2.7	5.3
Sewage and waste disposal	3.6	2.5	3.2	2.7	5.0
Water supply	4.0	2.7	4.4	3.5	6.9
Conservation and development	2.1	1.6	2.3	1.7	2.6

NA Not applicable

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