

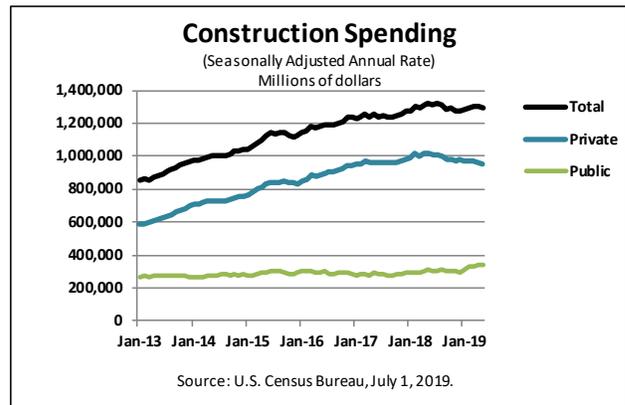
FOR RELEASE AT 10:00 AM EDT, MONDAY, JULY 1, 2019

## MONTHLY CONSTRUCTION SPENDING, MAY 2019

Release Number: CB19-97

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

CONSTRUCTION SPENDING	
MAY 2019	\$1,293.9 billion
APRIL 2019 (revised)	\$1,304.0 billion
Next release: August 1, 2019	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, July 1, 2019	



### Total Construction

Construction spending during May 2019 was estimated at a seasonally adjusted annual rate of \$1,293.9 billion, 0.8 percent ( $\pm 1.2$  percent)\* below the revised April estimate of \$1,304.0 billion. The May figure is 2.3 percent ( $\pm 1.5$  percent) below the May 2018 estimate of \$1,324.3 billion. During the first five months of this year, construction spending amounted to \$498.8 billion, 0.3 percent ( $\pm 1.3$  percent)\* below the \$500.3 billion for the same period in 2018.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$953.2 billion, 0.7 percent ( $\pm 0.7$  percent)\* below the revised April estimate of \$960.3 billion. Residential construction was at a seasonally adjusted annual rate of \$498.9 billion in May, 0.6 percent ( $\pm 1.3$  percent)\* below the revised April estimate of \$501.7 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$454.3 billion in May, 0.9 percent ( $\pm 0.7$  percent) below the revised April estimate of \$458.5 billion.

### Public Construction

In May, the estimated seasonally adjusted annual rate of public construction spending was \$340.6 billion, 0.9 percent ( $\pm 2.1$  percent)\* below the revised April estimate of \$343.7 billion. Educational construction was at a seasonally adjusted annual rate of \$79.3 billion, nearly the same as ( $\pm 2.6$  percent)\* the revised April estimate of \$79.3 billion. Highway construction was at a seasonally adjusted annual rate of \$111.6 billion, 3.2 percent ( $\pm 6.1$  percent)\* below the revised April estimate of \$115.4 billion.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
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#### Media Inquiries

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U.S. Department of Commerce  
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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 June 2019 Monthly Construction Spending Report is scheduled for release on August 1, 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/methodology.html/](http://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/](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

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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	May 2019 <sup>p</sup>	Apr 2019 <sup>f</sup>	Mar 2019 <sup>f</sup>	Feb 2019	Jan 2019	May 2018	Percent change May 2019 from -	
							Apr 2019	May 2018
<b>Total Construction</b>	<b>1,293,872</b>	<b>1,304,007</b>	<b>1,298,528</b>	<b>1,297,819</b>	<b>1,284,654</b>	<b>1,324,347</b>	<b>-0.8</b>	<b>-2.3</b>
Residential	505,359	508,234	511,050	514,855	518,012	568,812	-0.6	-11.2
Nonresidential	788,512	795,774	787,478	782,964	766,642	755,535	-0.9	4.4
Lodging	34,030	33,921	34,248	32,894	33,341	31,712	0.3	7.3
Office	78,167	79,169	78,247	76,987	76,625	72,997	-1.3	7.1
Commercial	80,409	83,127	83,856	88,172	88,104	93,120	-3.3	-13.7
Health care	43,455	43,654	44,156	42,494	42,527	42,195	-0.5	3.0
Educational	98,025	98,878	98,776	98,857	98,406	96,265	-0.9	1.8
Religious	2,709	2,866	2,880	3,116	3,182	3,031	-5.5	-10.6
Public safety	10,160	10,037	9,676	9,967	9,466	9,315	1.2	9.1
Amusement and recreation	27,431	27,793	27,234	27,655	26,990	25,376	-1.3	8.1
Transportation	57,633	55,413	53,346	52,358	54,114	50,941	4.0	13.1
Communication	23,921	23,625	23,837	23,316	23,435	24,691	1.3	-3.1
Power	99,961	100,195	101,592	100,599	99,016	104,319	-0.2	-4.2
Highway and street	111,829	115,725	107,802	107,279	97,994	95,473	-3.4	17.1
Sewage and waste disposal	26,244	25,978	25,362	24,426	24,053	22,063	1.0	19.0
Water supply	16,314	16,618	15,381	15,180	14,309	14,488	-1.8	12.6
Conservation and development	8,723	8,931	8,655	8,418	8,582	8,279	-2.3	5.4
Manufacturing	69,502	69,846	72,430	71,248	66,500	61,272	-0.5	13.4
<b>Total Private Construction<sup>1</sup></b>	<b>953,237</b>	<b>960,286</b>	<b>969,684</b>	<b>970,860</b>	<b>970,057</b>	<b>1,016,843</b>	<b>-0.7</b>	<b>-6.3</b>
Residential	498,946	501,748	504,780	508,722	512,068	561,940	-0.6	-11.2
New single family	267,038	269,089	268,206	267,455	270,127	288,944	-0.8	-7.6
New multifamily	66,332	65,123	64,686	62,906	64,102	60,682	1.9	9.3
Nonresidential	454,290	458,538	464,904	462,138	457,988	454,903	-0.9	-0.1
Lodging	32,680	32,569	33,154	31,709	32,383	30,535	0.3	7.0
Office	67,711	68,372	67,375	66,594	66,534	63,090	-1.0	7.3
Commercial	75,886	78,592	79,543	83,711	83,241	89,654	-3.4	-15.4
Health care	34,374	34,434	35,639	33,967	33,761	32,611	-0.2	5.4
Educational	18,707	19,575	20,366	20,360	20,883	21,253	-4.4	-12.0
Religious	2,709	2,866	2,880	3,116	3,182	3,031	-5.5	-10.6
Amusement and recreation	14,234	14,534	14,385	14,465	14,525	14,194	-2.1	0.3
Transportation	19,607	18,805	18,293	17,609	19,155	16,626	4.3	17.9
Communication	23,763	23,467	23,627	23,177	23,310	24,619	1.3	-3.5
Power	94,171	94,088	95,775	94,645	93,172	97,796	0.1	-3.7
Manufacturing	69,277	69,688	72,256	71,089	66,356	60,770	-0.6	14.0
<b>Total Public Construction<sup>2</sup></b>	<b>340,635</b>	<b>343,722</b>	<b>328,845</b>	<b>326,959</b>	<b>314,598</b>	<b>307,504</b>	<b>-0.9</b>	<b>10.8</b>
Residential	6,413	6,485	6,270	6,133	5,944	6,873	-1.1	-6.7
Nonresidential	334,222	337,236	322,574	320,827	308,653	300,632	-0.9	11.2
Office	10,456	10,797	10,872	10,393	10,091	9,906	-3.2	5.6
Commercial	4,523	4,535	4,313	4,460	4,863	3,466	-0.3	30.5
Health care	9,081	9,220	8,517	8,527	8,766	9,584	-1.5	-5.2
Educational	79,318	79,303	78,409	78,497	77,523	75,012	0.0	5.7
Public safety	9,968	9,818	9,481	9,766	9,248	9,228	1.5	8.0
Amusement and recreation	13,197	13,259	12,849	13,190	12,465	11,182	-0.5	18.0
Transportation	38,026	36,608	35,053	34,750	34,959	34,315	3.9	10.8
Power	5,790	6,106	5,817	5,953	5,845	6,523	-5.2	-11.2
Highway and street	111,633	115,370	107,412	106,750	97,750	95,283	-3.2	17.2
Sewage and waste disposal	25,728	25,300	24,606	23,746	23,333	21,784	1.7	18.1
Water supply	16,094	16,363	15,137	14,924	14,066	14,343	-1.6	12.2
Conservation and development	8,675	8,891	8,629	8,390	8,520	8,256	-2.4	5.1

<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, July 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	May 2019 <sup>p</sup>	Apr 2019 <sup>r</sup>	Mar 2019 <sup>r</sup>	Feb 2019	Jan 2019	May 2018	Year-to-date		
							May 2019	May 2018	Percent change
<b>Total Construction</b>	<b>113,033</b>	<b>106,576</b>	<b>99,700</b>	<b>90,605</b>	<b>88,866</b>	<b>114,797</b>	<b>498,781</b>	<b>500,265</b>	<b>-0.3</b>
Residential	45,239	42,893	40,711	35,273	34,563	50,032	198,679	216,394	-8.2
Nonresidential	67,794	63,684	58,989	55,332	54,304	64,765	300,102	283,871	5.7
Lodging	2,933	2,876	2,842	2,594	2,607	2,743	13,852	12,778	8.4
Office	6,689	6,556	6,242	5,901	5,833	6,243	31,221	28,590	9.2
Commercial	6,919	6,913	6,550	6,474	6,386	8,013	33,243	36,187	-8.1
Health care	3,713	3,557	3,537	3,287	3,271	3,601	17,363	16,936	2.5
Educational	8,375	7,805	7,190	6,805	6,718	8,258	36,893	35,096	5.1
Religious	227	239	220	224	227	254	1,138	1,210	-6.0
Public safety	861	826	744	733	727	782	3,892	3,531	10.2
Amusement and recreation	2,428	2,318	2,120	2,036	2,008	2,240	10,910	9,959	9.5
Transportation	5,064	4,515	3,945	3,629	3,799	4,434	20,952	19,181	9.2
Communication	1,971	1,910	1,913	1,725	1,739	2,045	9,257	9,999	-7.4
Power	8,497	8,342	8,171	7,974	7,952	8,812	40,937	40,556	0.9
Highway and street	9,873	8,138	5,930	5,124	4,659	8,366	33,724	28,554	18.1
Sewage and waste disposal	2,284	2,090	1,923	1,690	1,669	1,894	9,655	8,276	16.7
Water supply	1,435	1,358	1,166	1,073	1,014	1,248	6,046	5,099	18.6
Conservation and development	722	702	685	643	606	679	3,358	2,932	14.5
Manufacturing	5,804	5,538	5,809	5,421	5,089	5,155	27,662	24,989	10.7
<b>Total Private Construction<sup>1</sup></b>	<b>83,545</b>	<b>80,129</b>	<b>77,244</b>	<b>70,011</b>	<b>69,100</b>	<b>88,332</b>	<b>380,029</b>	<b>393,936</b>	<b>-3.5</b>
Residential	44,673	42,346	40,243	34,837	34,153	49,431	196,253	213,803	-8.2
New single family	22,790	21,906	20,990	17,775	18,738	24,631	102,199	109,281	-6.5
New multifamily	5,685	5,628	5,291	4,897	5,004	5,205	26,504	24,349	8.9
Nonresidential	38,872	37,783	37,001	35,174	34,947	38,901	183,776	180,133	2.0
Lodging	2,820	2,764	2,751	2,495	2,527	2,645	13,357	12,355	8.1
Office	5,772	5,661	5,383	5,132	5,090	5,380	27,037	24,925	8.5
Commercial	6,531	6,554	6,218	6,142	6,036	7,711	31,480	34,854	-9.7
Health care	2,951	2,808	2,845	2,619	2,589	2,803	13,811	13,266	4.1
Educational	1,698	1,658	1,606	1,516	1,545	1,941	8,024	8,343	-3.8
Religious	227	239	220	224	227	254	1,138	1,210	-6.0
Amusement and recreation	1,249	1,216	1,148	1,114	1,134	1,219	5,862	5,731	2.3
Transportation	1,802	1,518	1,278	1,158	1,357	1,504	7,113	6,229	14.2
Communication	1,958	1,897	1,895	1,713	1,728	2,039	9,191	9,945	-7.6
Power	7,973	7,817	7,740	7,534	7,532	8,226	38,596	38,210	1.0
Manufacturing	5,786	5,525	5,795	5,408	5,077	5,113	27,590	24,797	11.3
<b>Total Public Construction<sup>2</sup></b>	<b>29,488</b>	<b>26,447</b>	<b>22,456</b>	<b>20,594</b>	<b>19,767</b>	<b>26,465</b>	<b>118,752</b>	<b>106,329</b>	<b>11.7</b>
Residential	566	547	468	436	409	600	2,426	2,591	-6.4
Nonresidential	28,922	25,901	21,988	20,158	19,357	25,865	116,326	103,738	12.1
Office	917	894	860	770	743	863	4,184	3,665	14.2
Commercial	388	360	332	332	350	301	1,763	1,332	32.4
Health care	763	749	692	667	682	798	3,553	3,669	-3.2
Educational	6,677	6,147	5,584	5,290	5,173	6,317	28,870	26,753	7.9
Public safety	843	807	729	718	709	774	3,805	3,488	9.1
Amusement and recreation	1,179	1,101	972	922	874	1,021	5,048	4,227	19.4
Transportation	3,262	2,997	2,667	2,471	2,442	2,930	13,839	12,952	6.8
Power	524	525	431	441	420	586	2,341	2,346	-0.2
Highway and street	9,856	8,111	5,902	5,089	4,642	8,349	33,600	28,474	18.0
Sewage and waste disposal	2,233	2,035	1,865	1,640	1,622	1,866	9,394	8,199	14.6
Water supply	1,418	1,338	1,148	1,055	997	1,236	5,956	5,041	18.2
Conservation and development	718	698	683	641	601	677	3,341	2,922	14.3

<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, July 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>0.8</b>	<b>0.7</b>	<b>0.9</b>
Residential	3.3	3.8	4.8	2.2	4.2
Nonresidential	0.7	0.5	0.8	0.7	0.9
Lodging	1.7	1.5	2.0	0.6	1.7
Office	1.8	1.5	1.7	1.0	1.8
Commercial	1.9	1.4	2.3	1.1	2.5
Health care	1.7	2.5	2.6	1.5	2.3
Educational	1.8	1.2	2.1	1.4	2.3
Religious	6.1	5.8	5.9	2.8	5.9
Public safety	3.1	2.5	3.4	2.6	4.5
Amusement and recreation	2.3	1.7	2.3	1.2	2.8
Transportation	1.2	0.8	1.4	1.0	1.5
Communication	NA	NA	NA	NA	NA
Power	0.4	0.4	0.3	0.2	0.5
Highway and street	3.3	2.4	3.9	3.7	4.7
Sewage and waste disposal	3.5	2.5	3.9	2.9	4.8
Water supply	4.3	3.7	5.4	2.8	6.1
Conservation and development	2.1	1.6	2.8	1.7	3.2
Manufacturing	0.8	0.6	1.2	0.5	1.2
<b>Total Private Construction</b>	<b>0.6</b>	<b>0.6</b>	<b>0.8</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	5.9	6.2	3.9	1.7	3.6
Nonresidential	0.6	0.6	0.8	0.4	0.9
Lodging	1.7	1.6	1.9	0.6	1.6
Office	2.0	1.6	1.8	1.1	1.8
Commercial	2.0	1.4	2.3	1.2	2.6
Health care	2.1	3.1	3.3	1.9	3.0
Educational	2.2	2.0	2.7	1.3	2.9
Religious	6.1	5.8	5.9	2.8	5.9
Amusement and recreation	2.4	1.6	2.1	1.3	2.1
Transportation	1.2	1.6	2.1	0.8	2.1
Communication	NA	NA	NA	NA	NA
Power	0.3	0.4	0.3	0.1	0.5
Manufacturing	0.8	0.6	1.3	0.5	1.2
<b>Total Public Construction</b>	<b>1.3</b>	<b>0.9</b>	<b>1.4</b>	<b>1.3</b>	<b>1.7</b>
Residential	3.3	3.8	4.8	2.2	4.2
Nonresidential	1.3	0.9	1.4	1.3	1.8
Office	3.7	2.7	4.7	1.7	7.9
Commercial	5.3	4.2	7.7	2.4	6.4
Health care	2.5	2.2	2.3	1.4	2.7
Educational	2.2	1.4	2.6	1.6	2.9
Public safety	3.1	2.5	3.4	2.6	4.6
Amusement and recreation	3.9	3.0	4.9	2.1	6.2
Transportation	1.6	0.9	1.7	1.2	1.9
Power	6.6	4.7	5.1	4.7	7.1
Highway and street	3.3	2.4	3.9	3.7	4.7
Sewage and waste disposal	3.6	2.5	3.9	3.0	4.8
Water supply	4.4	3.7	5.4	2.9	6.2
Conservation and development	2.1	1.6	2.8	1.7	3.2

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, July 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)>