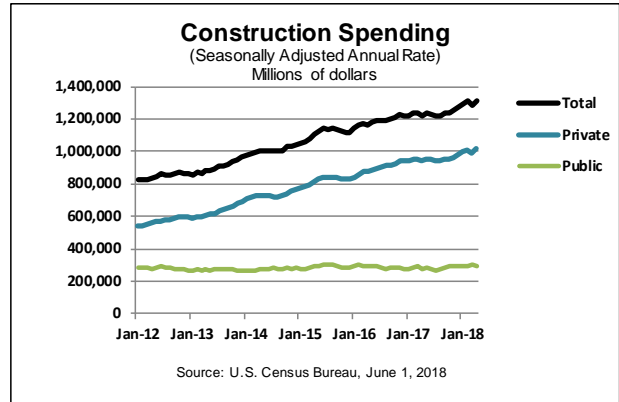


## MONTHLY CONSTRUCTION SPENDING, APRIL 2018

Release Number: CB18-85

**June 1, 2018** — The U.S. Census Bureau announced the following value put in place construction statistics for April 2018:

CONSTRUCTION SPENDING	
APRIL 2018	\$1,310.4 billion
MARCH 2018 (revised)	\$1,286.8 billion
Next release: July 2, 2018	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, June 1, 2018	



### Total Construction

Construction spending during April 2018 was estimated at a seasonally adjusted annual rate of \$1,310.4 billion, 1.8 percent ( $\pm 1.0$  percent) above the revised March estimate of \$1,286.8 billion. The April figure is 7.6 percent ( $\pm 1.5$  percent) above the April 2017 estimate of \$1,217.7 billion. During the first four months of this year, construction spending amounted to \$387.0 billion, 6.6 percent ( $\pm 1.2$  percent) above the \$363.1 billion for the same period in 2017.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,014.3 billion, 2.8 percent ( $\pm 0.8$  percent) above the revised March estimate of \$986.6 billion. Residential construction was at a seasonally adjusted annual rate of \$556.3 billion in April, 4.5 percent ( $\pm 1.3$  percent) above the revised March estimate of \$532.4 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$458.0 billion in April, 0.8 percent ( $\pm 0.8$  percent)\* above the revised March estimate of \$454.2 billion.

### Public Construction

In April, the estimated seasonally adjusted annual rate of public construction spending was \$296.1 billion, 1.3 percent ( $\pm 2.0$  percent)\* below the revised March estimate of \$300.1 billion. Educational construction was at a seasonally adjusted annual rate of \$74.2 billion, nearly the same as ( $\pm 2.3$  percent)\* the revised March estimate of \$74.2 billion. Highway construction was at a seasonally adjusted annual rate of \$88.0 billion, 1.0 percent ( $\pm 6.3$  percent)\* below the revised March estimate of \$88.8 billion.

#### Data Inquiries

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#### Media Inquiries

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## Notice

With the May 2018 release, unadjusted data will be revised back to January 2016 and seasonally adjusted data will be revised back to January 2011. With each May release, seasonally adjusted data will now be revised for an additional five years beyond the revision period for unadjusted data. Research has shown that this revision span should produce more reliable seasonally adjusted time series.

The May 2018 Monthly Construction Spending Report is scheduled for release on July 2, 2018. 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, 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/](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.

###

\* 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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U.S. Department of Commerce  
Economics and Statistics Administration  
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	Apr 2018 <sup>p</sup>	Mar 2018 <sup>r</sup>	Feb 2018 <sup>r</sup>	Jan 2018	Dec 2017	Apr 2017	Percent change Apr 2018 from -	
							Mar 2018	Apr 2017
<b>Total Construction</b>	<b>1,310,404</b>	<b>1,286,766</b>	<b>1,309,205</b>	<b>1,294,027</b>	<b>1,272,648</b>	<b>1,217,658</b>	<b>1.8</b>	<b>7.6</b>
Residential	563,429	539,579	562,502	556,500	539,507	513,487	4.4	9.7
Nonresidential	746,975	747,187	746,702	737,527	733,141	704,171	0.0	6.1
Lodging	32,407	31,283	31,405	30,389	30,016	27,279	3.6	18.8
Office	74,857	74,208	74,236	71,290	71,416	68,728	0.9	8.9
Commercial	90,885	93,674	94,944	90,750	91,130	86,034	-3.0	5.6
Health care	41,550	41,647	42,410	43,226	42,128	38,636	-0.2	7.5
Educational	96,116	96,019	95,381	95,441	95,348	88,590	0.1	8.5
Religious	3,451	3,103	2,982	2,974	2,894	3,163	11.2	9.1
Public safety	9,287	9,350	9,664	9,429	9,201	7,975	-0.7	16.5
Amusement and recreation	25,646	25,636	24,796	24,154	24,411	23,246	0.0	10.3
Transportation	51,818	51,461	52,254	50,683	49,772	42,445	0.7	22.1
Communication	26,266	25,849	25,077	24,414	23,746	22,136	1.6	18.7
Power	98,217	96,314	96,027	95,633	100,560	98,589	2.0	-0.4
Highway and street	88,154	89,110	87,236	89,178	86,675	89,984	-1.1	-2.0
Sewage and waste disposal	20,744	21,392	21,185	21,302	20,555	18,847	-3.0	10.1
Water supply	12,213	12,389	12,739	11,619	11,548	11,826	-1.4	3.3
Conservation and development	8,585	9,198	8,390	8,770	7,863	6,795	-6.7	26.3
Manufacturing	66,779	66,557	67,976	68,275	65,880	69,898	0.3	-4.5
<b>Total Private Construction<sup>1</sup></b>	<b>1,014,282</b>	<b>986,625</b>	<b>1,012,495</b>	<b>996,968</b>	<b>982,071</b>	<b>942,600</b>	<b>2.8</b>	<b>7.6</b>
Residential	556,294	532,432	555,385	549,792	532,542	507,841	4.5	9.5
New single family	285,703	285,587	284,786	280,918	276,796	260,738	0.0	9.6
New multi-family	61,955	59,820	62,534	60,753	64,129	64,553	3.6	-4.0
Nonresidential	457,988	454,193	457,111	447,176	449,529	434,759	0.8	5.3
Lodging	31,098	30,178	30,258	29,325	28,856	26,899	3.0	15.6
Office	65,003	63,879	63,660	61,307	61,709	61,179	1.8	6.3
Commercial	87,082	89,566	90,730	86,485	87,830	82,779	-2.8	5.2
Health care	31,849	31,307	32,377	32,261	31,462	29,392	1.7	8.4
Educational	21,923	21,861	21,625	21,648	21,672	20,046	0.3	9.4
Religious	3,451	3,103	2,982	2,974	2,894	3,163	11.2	9.1
Amusement and recreation	14,324	14,365	13,865	13,492	13,906	12,776	-0.3	12.1
Transportation	18,107	17,673	18,037	17,871	17,798	12,709	2.5	42.5
Communication	26,132	25,775	25,002	24,306	23,639	22,067	1.4	18.4
Power	92,094	89,906	90,550	89,313	93,896	93,713	2.4	-1.7
Manufacturing	66,278	65,862	67,348	67,733	65,272	69,239	0.6	-4.3
<b>Total Public Construction<sup>2</sup></b>	<b>296,122</b>	<b>300,141</b>	<b>296,709</b>	<b>297,059</b>	<b>290,577</b>	<b>275,058</b>	<b>-1.3</b>	<b>7.7</b>
Residential	7,135	7,147	7,118	6,708	6,965	5,646	-0.2	26.4
Nonresidential	288,987	292,995	289,591	290,352	283,612	269,412	-1.4	7.3
Office	9,854	10,329	10,576	9,983	9,707	7,549	-4.6	30.5
Commercial	3,803	4,108	4,213	4,266	3,300	3,254	-7.4	16.9
Health care	9,701	10,340	10,033	10,965	10,666	9,243	-6.2	5.0
Educational	74,193	74,159	73,757	73,793	73,676	68,544	0.0	8.2
Public safety	9,163	9,243	9,531	9,392	9,102	7,889	-0.9	16.1
Amusement and recreation	11,322	11,271	10,931	10,663	10,505	10,471	0.5	8.1
Transportation	33,711	33,788	34,217	32,812	31,974	29,736	-0.2	13.4
Power	6,123	6,407	5,477	6,320	6,664	4,876	-4.4	25.6
Highway and street	87,954	88,830	87,014	89,001	86,489	89,770	-1.0	-2.0
Sewage and waste disposal	20,617	21,254	21,055	21,153	20,400	18,628	-3.0	10.7
Water supply	12,053	12,224	12,576	11,522	11,398	11,573	-1.4	4.1
Conservation and development	8,550	9,168	8,361	8,770	7,858	6,771	-6.7	26.3

<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.

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, June 1, 2018. 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	Apr 2018 <sup>P</sup>	Mar 2018 <sup>F</sup>	Feb 2018 <sup>F</sup>	Jan 2018	Dec 2017	Apr 2017	Year-to-date		
							Apr 2018	Apr 2017	Percent change
<b>Total Construction</b>	<b>106,736</b>	<b>99,991</b>	<b>91,038</b>	<b>89,239</b>	<b>97,357</b>	<b>98,545</b>	<b>387,004</b>	<b>363,079</b>	<b>6.6</b>
Residential	47,202	43,450	37,919	37,034	39,821	42,813	165,605	152,342	8.7
Nonresidential	59,534	56,541	53,119	52,205	57,536	55,732	221,399	210,736	5.1
Lodging	2,669	2,548	2,442	2,326	2,477	2,254	9,984	8,806	13.4
Office	6,126	5,936	5,666	5,403	5,737	5,556	23,132	21,997	5.2
Commercial	7,498	7,283	7,032	6,572	7,236	7,098	28,385	25,803	10.0
Health care	3,376	3,362	3,288	3,280	3,451	3,147	13,306	12,224	8.9
Educational	7,570	7,038	6,584	6,516	6,798	6,980	27,709	26,400	5.0
Religious	275	241	209	212	228	245	937	960	-2.4
Public safety	752	742	706	726	761	642	2,926	2,444	19.7
Amusement and recreation	2,136	2,028	1,830	1,774	1,931	1,920	7,767	7,223	7.5
Transportation	4,194	3,825	3,620	3,523	3,918	3,426	15,161	12,427	22.0
Communication	2,118	2,048	1,811	1,747	2,213	1,695	7,723	6,820	13.2
Power	8,037	7,740	7,585	7,665	8,542	7,989	31,027	32,274	-3.9
Highway and street	6,108	5,080	4,181	4,236	5,257	6,284	19,604	20,202	-3.0
Sewage and waste disposal	1,654	1,600	1,464	1,469	1,579	1,507	6,188	5,668	9.2
Water supply	1,001	959	927	862	909	973	3,749	3,402	10.2
Conservation and development	670	772	676	648	699	516	2,766	2,157	28.2
Manufacturing	5,351	5,339	5,099	5,247	5,798	5,502	21,036	21,928	-4.1
<b>Total Private Construction<sup>1</sup></b>	<b>84,035</b>	<b>78,875</b>	<b>71,938</b>	<b>70,419</b>	<b>76,593</b>	<b>77,518</b>	<b>305,268</b>	<b>287,133</b>	<b>6.3</b>
Residential	46,609	42,899	37,395	36,562	39,262	42,339	163,465	150,460	8.6
New single family	23,198	22,334	18,953	19,524	20,609	21,158	84,009	76,096	10.4
New multi-family	5,258	4,875	4,873	4,711	4,938	5,480	19,717	20,512	-3.9
Nonresidential	37,426	35,977	34,543	33,857	37,331	35,179	141,803	136,673	3.8
Lodging	2,559	2,456	2,346	2,237	2,380	2,222	9,599	8,684	10.5
Office	5,343	5,103	4,871	4,646	4,949	4,953	19,963	19,511	2.3
Commercial	7,204	6,954	6,715	6,275	6,968	6,839	27,147	24,860	9.2
Health care	2,581	2,488	2,488	2,442	2,562	2,388	9,999	9,338	7.1
Educational	1,838	1,717	1,612	1,593	1,634	1,677	6,759	6,465	4.5
Religious	275	241	209	212	228	245	937	960	-2.4
Amusement and recreation	1,185	1,161	1,070	1,048	1,134	1,054	4,465	3,970	12.5
Transportation	1,454	1,239	1,167	1,237	1,457	1,029	5,096	3,754	35.7
Communication	2,107	2,042	1,804	1,738	2,204	1,689	7,691	6,788	13.3
Power	7,521	7,242	7,166	7,195	8,018	7,575	29,124	30,386	-4.2
Manufacturing	5,309	5,281	5,047	5,202	5,747	5,447	20,839	21,700	-4.0
<b>Total Public Construction<sup>2</sup></b>	<b>22,701</b>	<b>21,115</b>	<b>19,100</b>	<b>18,820</b>	<b>20,764</b>	<b>21,027</b>	<b>81,736</b>	<b>75,946</b>	<b>7.6</b>
Residential	593	551	524	472	559	474	2,140	1,883	13.6
Nonresidential	22,108	20,564	18,576	18,348	20,205	20,553	79,596	74,063	7.5
Office	783	834	794	758	788	603	3,169	2,486	27.5
Commercial	294	330	318	297	268	259	1,238	943	31.3
Health care	795	874	800	838	890	758	3,307	2,886	14.6
Educational	5,733	5,321	4,973	4,924	5,164	5,303	20,950	19,935	5.1
Public safety	741	733	695	723	752	635	2,892	2,415	19.8
Amusement and recreation	951	866	759	726	798	866	3,302	3,254	1.5
Transportation	2,741	2,586	2,453	2,285	2,461	2,397	10,065	8,673	16.0
Power	516	499	419	469	524	414	1,903	1,889	0.7
Highway and street	6,093	5,060	4,166	4,225	5,242	6,269	19,544	20,133	-2.9
Sewage and waste disposal	1,644	1,589	1,455	1,459	1,567	1,489	6,147	5,598	9.8
Water supply	988	947	916	854	896	954	3,706	3,322	11.6
Conservation and development	667	770	674	648	699	514	2,758	2,146	28.5

<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.

Source: U.S. Census Bureau, Construction Spending, June 1, 2018.

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>0.8</b>	<b>0.5</b>	<b>0.7</b>	<b>0.6</b>	<b>0.9</b>
Residential	4.8	3.5	6.3	2.8	6.5
Nonresidential	0.8	0.5	0.7	0.6	0.9
Lodging	2.1	1.8	2.0	1.1	2.2
Office	2.1	1.5	1.9	1.5	2.2
Commercial	2.3	1.5	2.3	1.1	2.4
Health care	1.9	1.7	1.9	1.6	2.2
Educational	1.9	1.4	2.0	1.1	2.2
Religious	6.1	4.8	6.5	4.0	8.3
Public safety	3.7	2.5	3.5	3.1	4.3
Amusement and recreation	2.9	2.3	3.5	2.5	4.1
Transportation	1.5	1.2	2.1	1.3	2.5
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.3	0.1	0.4
Highway and street	3.6	2.3	3.1	3.7	3.8
Sewage and waste disposal	4.2	3.7	5.1	3.4	6.5
Water supply	4.5	4.0	5.0	4.5	6.9
Conservation and development	2.9	2.5	4.1	2.4	4.6
Manufacturing	0.9	1.3	1.1	0.6	1.2
<b>Total Private Construction</b>	<b>0.8</b>	<b>0.6</b>	<b>0.8</b>	<b>0.5</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 multi-family	5.4	5.8	4.9	1.8	5.7
Nonresidential	0.8	0.6	0.8	0.5	0.9
Lodging	1.9	1.5	1.8	1.1	2.1
Office	2.3	1.7	2.0	1.7	2.3
Commercial	2.4	1.6	2.4	1.1	2.4
Health care	2.4	2.1	2.4	2.0	2.7
Educational	2.8	2.3	3.1	1.1	3.9
Religious	6.1	4.8	6.5	4.0	8.3
Amusement and recreation	2.8	2.5	3.6	3.3	3.9
Transportation	1.8	1.3	5.9	1.0	5.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.1	0.2
Manufacturing	1.0	1.3	1.2	0.6	1.3
<b>Total Public Construction</b>	<b>1.4</b>	<b>0.9</b>	<b>1.3</b>	<b>1.2</b>	<b>1.6</b>
Residential	4.7	3.5	6.3	2.8	6.5
Nonresidential	1.5	0.9	1.3	1.2	1.6
Office	3.4	2.4	3.8	1.9	5.4
Commercial	6.8	6.8	9.9	3.3	9.6
Health care	2.7	1.9	2.7	1.4	3.0
Educational	2.2	1.6	2.3	1.4	2.6
Public safety	3.7	2.5	3.5	3.2	4.3
Amusement and recreation	5.4	4.0	6.3	3.8	8.1
Transportation	2.0	1.6	2.2	1.6	2.5
Power	5.2	4.6	6.4	2.8	11.6
Highway and street	3.6	2.3	3.1	3.8	3.9
Sewage and waste disposal	4.2	3.7	5.2	3.4	6.6
Water supply	4.5	4.0	5.1	4.6	7.0
Conservation and development	2.9	2.5	4.1	2.4	4.5

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, June 1, 2018. 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).