

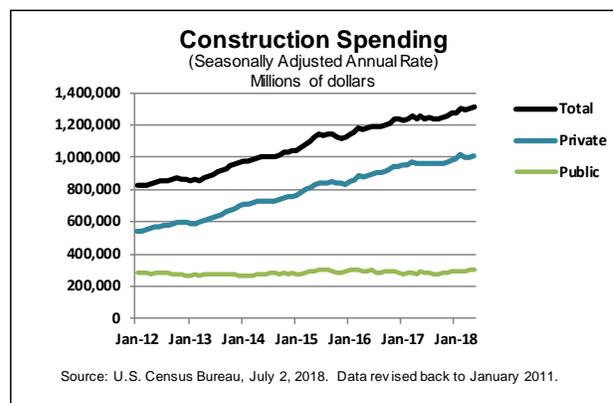
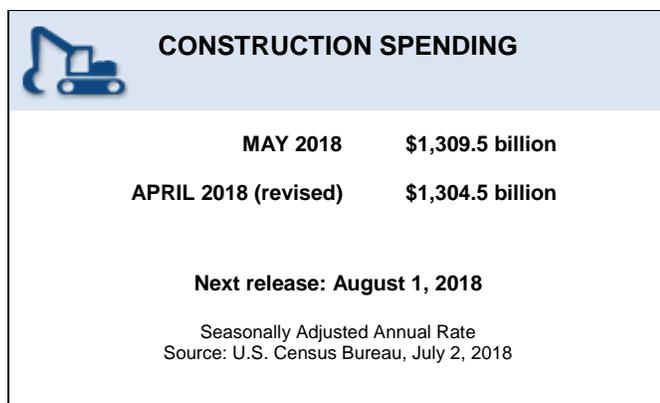
FOR RELEASE AT 10:00 AM EDT, MONDAY, JULY 2, 2018

MONTHLY CONSTRUCTION SPENDING, MAY 2018

Release Number: CB18-102

Notice: With this release, unadjusted data have been revised back to January 2016 and seasonally adjusted data back to January 2011. All revised estimates are available on our website. 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.

July 2, 2018 — The U.S. Census Bureau announced the following value put in place construction statistics for May 2018:



Total Construction

Construction spending during May 2018 was estimated at a seasonally adjusted annual rate of \$1,309.5 billion, 0.4 percent (± 1.3 percent)* above the revised April estimate of \$1,304.5 billion. The May figure is 4.5 percent (± 1.6 percent) above the May 2017 estimate of \$1,253.6 billion. During the first five months of this year, construction spending amounted to \$497.1 billion, 4.3 percent (± 1.2 percent) above the \$476.7 billion for the same period in 2017.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,005.4 billion, 0.3 percent (± 0.8 percent)* above the revised April estimate of \$1,002.3 billion. Residential construction was at a seasonally adjusted annual rate of \$553.8 billion in May, 0.8 percent (± 1.3 percent)* above the revised April estimate of \$549.3 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$451.5 billion in May, 0.3 percent (± 0.8 percent)* below the revised April estimate of \$453.0 billion.

Data Inquiries

Economic Indicator Division, Construction Expenditures Branch
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Public Construction

In May, the estimated seasonally adjusted annual rate of public construction spending was \$304.1 billion, 0.7 percent (± 2.6 percent)* above the revised April estimate of \$302.1 billion. Educational construction was at a seasonally adjusted annual rate of \$74.3 billion, 0.9 percent (± 2.5 percent)* above the revised April estimate of \$73.6 billion. Highway construction was at a seasonally adjusted annual rate of \$94.6 billion, 0.2 percent (± 8.1 percent)* below the revised April estimate of \$94.8 billion.

The June 2018 Monthly Construction Spending Report is scheduled for release on August 1, 2018. 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, 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/>.

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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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 2018 ^P	Apr 2018 ^r	Mar 2018 ^r	Feb 2018 ^r	Jan 2018 ^r	May 2017 ^r	Percent change May 2018 from -	
							Apr 2018	May 2017
Total Construction	1,309,490	1,304,455	1,293,125	1,305,527	1,276,260	1,253,596	0.4	4.5
Residential	560,495	555,898	553,217	566,926	548,429	526,580	0.8	6.4
Nonresidential	748,995	748,557	739,907	738,601	727,831	727,016	0.1	3.0
Lodging	31,922	31,877	31,274	31,083	29,767	28,118	0.1	13.5
Office	72,283	71,239	71,272	71,874	70,164	65,777	1.5	9.9
Commercial	92,066	92,920	92,667	93,057	89,309	90,673	-0.9	1.5
Health care	42,410	42,333	41,823	42,652	43,451	42,138	0.2	0.6
Educational	94,596	93,963	92,908	93,119	92,526	94,295	0.7	0.3
Religious	3,021	3,350	3,093	3,181	3,169	3,582	-9.8	-15.7
Public safety	9,549	9,286	8,900	8,830	8,800	8,327	2.8	14.7
Amusement and recreation	24,751	25,264	25,099	25,070	24,729	25,754	-2.0	-3.9
Transportation	51,389	51,450	49,446	50,020	49,855	45,250	-0.1	13.6
Communication	27,812	27,644	27,553	26,079	25,693	24,852	0.6	11.9
Power	99,712	99,173	97,187	96,182	96,042	98,854	0.5	0.9
Highway and street	94,720	94,991	92,551	90,698	88,747	89,611	-0.3	5.7
Sewage and waste disposal	21,770	21,774	22,173	21,720	21,909	20,760	0.0	4.9
Water supply	13,653	12,796	12,691	12,953	12,022	12,549	6.7	8.8
Conservation and development	7,879	7,585	7,531	7,177	7,403	7,264	3.9	8.5
Manufacturing	61,462	62,913	63,743	64,908	64,244	69,212	-2.3	-11.2
Total Private Construction¹	1,005,351	1,002,317	997,921	1,013,300	985,949	963,124	0.3	4.4
Residential	553,809	549,306	546,575	560,173	541,810	519,556	0.8	6.6
New single family	288,281	286,608	286,742	287,710	284,831	266,513	0.6	8.2
New multi-family	61,864	60,864	58,018	60,745	58,190	59,375	1.6	4.2
Nonresidential	451,542	453,011	451,346	453,127	444,139	443,568	-0.3	1.8
Lodging	30,702	30,757	30,318	30,057	28,931	27,441	-0.2	11.9
Office	63,029	62,140	62,258	62,800	61,364	57,474	1.4	9.7
Commercial	88,665	89,472	89,266	89,603	85,824	86,953	-0.9	2.0
Health care	33,043	33,116	33,007	33,908	33,804	32,452	-0.2	1.8
Educational	20,342	20,363	20,490	20,769	20,561	20,302	-0.1	0.2
Religious	3,021	3,350	3,093	3,181	3,169	3,582	-9.8	-15.7
Amusement and recreation	13,647	14,045	14,123	14,295	13,940	14,117	-2.8	-3.3
Transportation	17,420	16,593	16,216	16,395	16,483	14,112	5.0	23.4
Communication	27,741	27,457	27,349	25,988	25,588	24,708	1.0	12.3
Power	92,370	92,551	91,184	91,017	90,091	93,061	-0.2	-0.7
Manufacturing	60,994	62,472	63,262	64,451	63,838	68,541	-2.4	-11.0
Total Public Construction²	304,139	302,138	295,203	292,227	290,311	290,473	0.7	4.7
Residential	6,686	6,591	6,642	6,753	6,619	7,025	1.4	-4.8
Nonresidential	297,453	295,546	288,561	285,475	283,693	283,448	0.6	4.9
Office	9,254	9,099	9,014	9,073	8,801	8,303	1.7	11.5
Commercial	3,401	3,448	3,401	3,454	3,485	3,720	-1.4	-8.6
Health care	9,366	9,217	8,817	8,744	9,647	9,686	1.6	-3.3
Educational	74,254	73,600	72,418	72,350	71,965	73,993	0.9	0.4
Public safety	9,450	9,157	8,798	8,710	8,723	8,205	3.2	15.2
Amusement and recreation	11,104	11,218	10,975	10,775	10,789	11,638	-1.0	-4.6
Transportation	33,968	34,857	33,230	33,625	33,372	31,139	-2.6	9.1
Power	7,342	6,622	6,002	5,166	5,951	5,792	10.9	26.8
Highway and street	94,593	94,797	92,254	90,481	88,560	89,442	-0.2	5.8
Sewage and waste disposal	21,598	21,609	21,990	21,588	21,743	20,452	-0.1	5.6
Water supply	13,504	12,626	12,525	12,784	11,904	12,346	7.0	9.4
Conservation and development	7,860	7,550	7,498	7,150	7,403	7,241	4.1	8.5

^PPreliminary ^rRevised

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, July 2, 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.

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 2018 ^p	Apr 2018 ^r	Mar 2018 ^r	Feb 2018 ^r	Jan 2018 ^r	May 2017 ^r	Year-to-date		
							May 2018	May 2017	Percent change
Total Construction	112,716	106,087	98,867	90,888	88,504	107,848	497,061	476,655	4.3
Residential	48,566	46,334	43,066	38,576	36,978	45,847	213,519	200,691	6.4
Nonresidential	64,150	59,753	55,801	52,312	51,525	62,001	283,542	275,964	2.7
Lodging	2,768	2,667	2,600	2,438	2,309	2,442	12,781	11,530	10.8
Office	6,176	5,843	5,668	5,491	5,334	5,616	28,513	26,909	6.0
Commercial	7,896	7,735	7,239	6,844	6,465	7,757	36,179	34,195	5.8
Health care	3,617	3,440	3,346	3,292	3,304	3,572	16,999	16,518	2.9
Educational	8,060	7,392	6,776	6,382	6,277	8,058	34,886	34,590	0.9
Religious	252	275	239	221	224	308	1,210	1,329	-9.0
Public safety	800	752	693	641	674	696	3,560	3,197	11.4
Amusement and recreation	2,184	2,111	1,966	1,830	1,817	2,255	9,908	9,863	0.5
Transportation	4,491	4,202	3,693	3,469	3,484	3,963	19,338	16,758	15.4
Communication	2,390	2,232	2,238	1,893	1,838	2,030	10,590	9,580	10.5
Power	8,402	8,197	7,845	7,676	7,760	8,272	39,880	41,423	-3.7
Highway and street	8,243	6,528	5,160	4,299	4,192	7,754	28,421	27,619	2.9
Sewage and waste disposal	1,878	1,729	1,654	1,486	1,516	1,785	8,263	7,631	8.3
Water supply	1,170	1,037	978	932	874	1,075	4,991	4,733	5.5
Conservation and development	639	572	594	548	525	593	2,877	2,754	4.5
Manufacturing	5,186	5,042	5,113	4,871	4,933	5,825	25,144	27,335	-8.0
Total Private Construction¹	86,634	83,076	78,553	72,439	70,312	83,042	391,014	375,098	4.2
Residential	47,984	45,787	42,569	38,095	36,518	45,237	210,952	198,050	6.5
New single family	24,534	23,283	22,441	19,124	19,772	22,687	109,154	99,781	9.4
New multi-family	5,246	5,186	4,741	4,730	4,502	5,066	24,405	24,687	-1.1
Nonresidential	38,650	37,289	35,984	34,344	33,795	37,805	180,062	177,048	1.7
Lodging	2,666	2,574	2,520	2,352	2,239	2,386	12,352	11,335	9.0
Office	5,378	5,116	4,957	4,815	4,679	4,901	24,945	23,733	5.1
Commercial	7,605	7,466	6,975	6,589	6,220	7,439	34,854	32,923	5.9
Health care	2,838	2,688	2,618	2,603	2,572	2,773	13,318	12,810	4.0
Educational	1,838	1,724	1,627	1,541	1,506	1,849	8,235	8,273	-0.5
Religious	252	275	239	221	224	308	1,210	1,329	-9.0
Amusement and recreation	1,168	1,185	1,139	1,092	1,090	1,216	5,674	5,472	3.7
Transportation	1,585	1,342	1,153	1,072	1,162	1,305	6,314	5,192	21.6
Communication	2,384	2,216	2,221	1,885	1,829	2,018	10,535	9,523	10.6
Power	7,740	7,642	7,405	7,293	7,336	7,765	37,417	39,086	-4.3
Manufacturing	5,147	5,005	5,073	4,833	4,899	5,769	24,957	27,059	-7.8
Total Public Construction²	26,082	23,011	20,313	18,449	18,191	24,806	106,047	101,557	4.4
Residential	582	547	497	481	461	610	2,567	2,641	-2.8
Nonresidential	25,500	22,464	19,817	17,968	17,731	24,196	103,480	98,916	4.6
Office	798	727	711	676	655	715	3,568	3,177	12.3
Commercial	292	269	264	255	245	318	1,324	1,272	4.1
Health care	780	752	728	689	732	799	3,681	3,709	-0.8
Educational	6,222	5,668	5,149	4,841	4,772	6,209	26,652	26,317	1.3
Public safety	791	740	685	632	667	684	3,515	3,151	11.6
Amusement and recreation	1,016	926	827	738	728	1,038	4,234	4,391	-3.6
Transportation	2,906	2,860	2,540	2,396	2,322	2,658	13,024	11,566	12.6
Power	662	555	440	383	424	508	2,464	2,337	5.4
Highway and street	8,232	6,513	5,140	4,285	4,178	7,739	28,349	27,559	2.9
Sewage and waste disposal	1,860	1,716	1,641	1,476	1,506	1,754	8,199	7,519	9.0
Water supply	1,157	1,023	965	920	865	1,058	4,931	4,647	6.1
Conservation and development	637	569	591	545	525	591	2,868	2,744	4.5

^pPreliminary ^rRevised

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, July 2, 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.

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	0.7	0.8	1.0
Residential	4.7	3.6	5.6	3.8	4.8
Nonresidential	0.8	0.5	0.7	0.8	1.0
Lodging	2.1	1.8	2.1	1.4	2.4
Office	2.1	1.4	1.8	1.2	1.9
Commercial	2.2	1.5	2.3	1.1	2.2
Health care	1.9	1.6	1.8	1.0	2.1
Educational	1.9	1.5	2.0	1.2	2.7
Religious	6.0	4.6	6.2	2.5	5.6
Public safety	3.7	2.6	3.7	2.2	5.3
Amusement and recreation	3.0	2.5	3.4	2.5	4.3
Transportation	1.4	1.2	2.0	0.7	2.8
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.3	0.3	0.4
Highway and street	3.3	2.4	3.0	4.8	5.0
Sewage and waste disposal	4.1	3.5	4.9	3.8	5.1
Water supply	4.5	3.9	5.0	4.9	7.0
Conservation and development	2.9	2.2	3.6	1.9	3.1
Manufacturing	1.0	1.2	1.0	1.1	1.1
Total Private Construction	0.8	0.6	0.7	0.5	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 multi-family	5.5	5.7	4.8	1.6	5.2
Nonresidential	0.8	0.6	0.7	0.5	0.8
Lodging	1.9	1.7	2.0	1.4	2.4
Office	2.3	1.6	1.9	1.4	2.0
Commercial	2.3	1.5	2.4	1.2	2.3
Health care	2.4	2.1	2.3	1.1	2.5
Educational	2.8	2.3	3.1	2.0	4.0
Religious	6.0	4.6	6.2	2.5	5.6
Amusement and recreation	2.9	2.4	3.5	3.4	4.1
Transportation	1.6	1.3	4.7	1.2	4.0
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.1	0.2
Manufacturing	1.0	1.3	1.1	1.1	1.1
Total Public Construction	1.3	0.9	1.3	1.6	1.9
Residential	4.6	3.6	5.6	3.8	4.8
Nonresidential	1.4	1.0	1.3	1.6	2.0
Office	3.5	2.6	3.8	2.7	5.1
Commercial	6.7	6.4	9.0	3.6	8.1
Health care	2.7	2.0	2.7	2.0	3.7
Educational	2.2	1.9	2.5	1.5	3.2
Public safety	3.7	2.7	3.7	2.2	5.4
Amusement and recreation	5.5	4.7	6.1	3.6	8.2
Transportation	1.9	1.5	2.1	0.8	3.1
Power	5.7	4.5	6.3	6.8	9.9
Highway and street	3.3	2.4	3.1	4.9	5.1
Sewage and waste disposal	4.1	3.5	4.9	3.8	5.2
Water supply	4.5	4.0	5.1	5.0	7.1
Conservation and development	2.9	2.2	3.6	1.9	3.1

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, July 2, 2018. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html.

Table 4. Annual Value of Construction Put in Place in the United States

(Millions of dollars. Details may not add to totals due to rounding.)

Type of Construction	2017 ^r	2016 ^r	Percent change	Coefficient of Variation
Total Construction	1,246,000	1,191,812	4.5	0.4
Residential	531,657	473,934	12.2	4.4
Nonresidential	714,343	717,879	-0.5	0.4
Lodging	28,672	26,969	6.3	1.7
Office	66,850	67,616	-1.1	1.2
Commercial	87,733	78,151	12.3	1.5
Health care	41,916	40,157	4.4	1.6
Educational	91,213	90,348	1.0	1.2
Religious	3,366	3,721	-9.5	3.6
Public safety	8,290	8,023	3.3	2.2
Amusement and recreation	24,851	23,155	7.3	2.2
Transportation	45,173	43,274	4.4	1.1
Communication	24,831	22,178	12.0	NA
Power	96,513	101,389	-4.8	0.3
Highway and street	89,053	92,738	-4.0	1.6
Sewage and waste disposal	20,386	23,149	-11.9	2.8
Water supply	11,806	13,042	-9.5	2.7
Conservation and development	7,244	7,588	-4.5	1.6
Manufacturing	66,448	76,380	-13.0	0.9
Total Private Construction¹	962,780	899,342	7.1	0.5
Residential	524,947	467,173	12.4	1.1
New single family	270,163	242,476	11.4	4.0
New multi-family	59,945	61,097	-1.9	4.6
Nonresidential	437,833	432,169	1.3	0.5
Lodging	27,985	26,516	5.5	1.5
Office	58,564	59,608	-1.8	1.3
Commercial	84,637	75,012	12.8	1.5
Health care	32,645	31,500	3.6	1.9
Educational	20,263	19,793	2.4	2.1
Religious	3,366	3,721	-9.5	3.6
Public safety	96	104	-7.7	22.2
Amusement and recreation	13,757	12,557	9.6	1.9
Transportation	14,779	13,070	13.1	2.0
Communication	24,701	22,014	12.2	NA
Power	90,615	91,736	-1.2	0.3
Sewage and waste disposal	226	372	-39.2	27.6
Water supply	186	206	-9.7	26.0
Manufacturing	65,796	75,698	-13.1	0.9
Total Public Construction²	283,220	292,470	-3.2	0.7
Residential	6,710	6,761	-0.8	4.4
Nonresidential	276,510	285,710	-3.2	0.7
Office	8,286	8,009	3.5	2.0
Commercial	3,096	3,139	-1.4	4.0
Health care	9,270	8,657	7.1	2.0
Educational	70,950	70,554	0.6	1.5
Public safety	8,193	7,919	3.5	2.2
Amusement and recreation	11,094	10,598	4.7	4.3
Transportation	30,393	30,204	0.6	1.3
Power	5,898	9,653	-38.9	3.9
Highway and street	88,855	92,540	-4.0	1.6
Sewage and waste disposal	20,160	22,778	-11.5	2.8
Water supply	11,620	12,836	-9.5	2.7
Conservation and development	7,225	7,524	-4.0	1.6

NA Not applicable ^rRevised

¹Includes the following categories of private construction not shown separately: highway and street, 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, July 2, 2018.

www.census.gov/construction/c30/meth.html.