

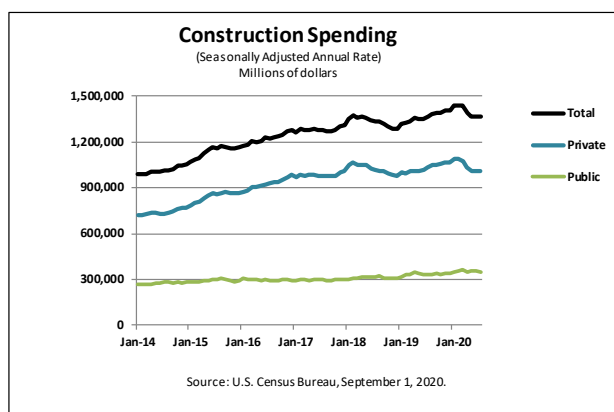
MONTHLY CONSTRUCTION SPENDING, JULY 2020

Release Number: CB20-132

Statement Regarding COVID-19 Impact: Due to recent events surrounding COVID-19, many governments and businesses are operating on a limited capacity or have ceased operations completely. The Census Bureau has monitored response and data quality and determined estimates in this release meet publication standards. For more information on the compilation of this month's report, see [COVID-19 FAQs](#).

September 1, 2020 — The U.S. Census Bureau announced the following value put in place construction statistics for July 2020:

 CONSTRUCTION SPENDING	
JULY 2020	\$1,364.6 billion
JUNE 2020 (revised)	\$1,362.8 billion
Next release: October 1, 2020	
Seasonally Adjusted Annual Rate Source: U.S. Census Bureau, September 1, 2020	



Total Construction

Construction spending during July 2020 was estimated at a seasonally adjusted annual rate of \$1,364.6 billion, 0.1 percent (± 1.2 percent)* above the revised June estimate of \$1,362.8 billion. The July figure is 0.1 percent (± 1.6 percent)* below the July 2019 estimate of \$1,366.0 billion. During the first seven months of this year, construction spending amounted to \$792.6 billion, 4.0 percent (± 1.2 percent) above the \$761.9 billion for the same period in 2019.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,013.5 billion, 0.6 percent (± 0.5 percent) above the revised June estimate of \$1,007.2 billion. Residential construction was at a seasonally adjusted annual rate of \$546.6 billion in July, 2.1 percent (± 1.3 percent) above the revised June estimate of \$535.6 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$466.9 billion in July, 1.0 percent (± 0.5 percent) below the revised June estimate of \$471.6 billion.

Public Construction

In July, the estimated seasonally adjusted annual rate of public construction spending was \$351.1 billion, 1.3 percent (± 2.0 percent)* below the revised June estimate of \$355.6 billion. Educational construction was at a seasonally adjusted annual rate of \$82.2 billion, 3.0 percent (± 1.8 percent) below the revised June estimate of \$84.7 billion. Highway construction was at a seasonally adjusted annual rate of \$99.0 billion, 3.1 percent (± 5.9 percent)* below the revised June estimate of \$102.1 billion.

Data Inquiries

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The August 2020 Monthly Construction Spending Report is scheduled for release on October 1, 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, 1.00 percent; private construction, 1.33 percent; and public construction, 0.87 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
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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	Jul 2020 ^p	Jun 2020 ^r	May 2020 ^r	Apr 2020	Mar 2020	Jul 2019	Percent change Jul 2020 from -	
							Jun 2020	Jul 2019
Total Construction	1,364,565	1,362,823	1,369,363	1,387,936	1,436,727	1,366,042	0.1	-0.1
Residential	555,454	544,273	547,787	569,892	595,963	550,109	2.1	1.0
Nonresidential	809,111	818,550	821,576	818,044	840,764	815,934	-1.2	-0.8
Lodging	28,622	29,196	29,094	29,352	30,096	32,724	-2.0	-12.5
Office	81,279	81,578	81,097	81,204	82,619	87,355	-0.4	-7.0
Commercial	82,016	84,423	84,191	83,850	84,857	80,292	-2.9	2.1
Health care	46,259	47,602	46,734	46,769	48,004	45,791	-2.8	1.0
Educational	98,343	100,983	104,480	104,552	107,492	104,139	-2.6	-5.6
Religious	2,774	2,919	3,022	2,960	3,262	3,771	-5.0	-26.4
Public safety	16,225	15,750	15,981	13,670	13,758	10,489	3.0	54.7
Amusement and recreation	26,942	27,050	27,243	27,352	28,123	27,931	-0.4	-3.5
Transportation	57,615	57,761	57,068	56,145	56,896	57,248	-0.3	0.6
Communication	23,030	22,714	22,982	22,921	23,001	21,876	1.4	5.3
Power	118,180	118,073	118,001	121,872	123,855	114,529	0.1	3.2
Highway and street	99,228	102,433	105,181	102,879	111,181	97,151	-3.1	2.1
Sewage and waste disposal	27,620	27,462	26,108	26,185	25,890	26,761	0.6	3.2
Water supply	18,938	18,971	18,620	17,874	18,005	16,034	-0.2	18.1
Conservation and development	9,279	8,985	8,603	8,531	8,447	9,017	3.3	2.9
Manufacturing	72,761	72,651	73,172	71,930	75,278	80,826	0.2	-10.0
Total Private Construction¹	1,013,460	1,007,220	1,010,666	1,036,617	1,076,286	1,031,847	0.6	-1.8
Residential	546,600	535,586	539,555	562,339	588,060	543,830	2.1	0.5
New single family	268,018	259,933	266,436	283,910	307,696	276,868	3.1	-3.2
New multifamily	85,758	81,786	79,047	77,443	81,575	80,937	4.9	6.0
Nonresidential	466,860	471,634	471,110	474,278	488,226	488,017	-1.0	-4.3
Lodging	27,549	28,098	28,045	28,267	29,232	31,617	-2.0	-12.9
Office	69,507	69,981	69,771	70,273	71,322	76,162	-0.7	-8.7
Commercial	77,846	80,432	80,023	79,659	80,836	76,110	-3.2	2.3
Health care	36,817	38,095	37,308	37,916	39,010	36,647	-3.4	0.5
Educational	16,158	16,258	16,140	16,220	18,644	21,180	-0.6	-23.7
Religious	2,774	2,919	3,022	2,960	3,262	3,771	-5.0	-26.4
Amusement and recreation	12,215	12,508	13,194	13,581	14,218	14,289	-2.3	-14.5
Transportation	16,376	15,865	15,549	14,953	15,827	16,544	3.2	-1.0
Communication	22,894	22,622	22,898	22,856	22,922	21,753	1.2	5.2
Power	110,982	111,122	110,893	114,744	116,733	107,862	-0.1	2.9
Manufacturing	72,457	72,282	72,784	71,607	74,987	80,407	0.2	-9.9
Total Public Construction²	351,105	355,603	358,697	351,318	360,441	334,195	-1.3	5.1
Residential	8,854	8,687	8,231	7,553	7,904	6,279	1.9	41.0
Nonresidential	342,251	346,916	350,466	343,765	352,537	327,916	-1.3	4.4
Office	11,772	11,598	11,326	10,931	11,297	11,193	1.5	5.2
Commercial	4,170	3,991	4,169	4,191	4,021	4,182	4.5	-0.3
Health care	9,442	9,507	9,426	8,853	8,994	9,144	-0.7	3.3
Educational	82,185	84,726	88,341	88,332	88,848	82,959	-3.0	-0.9
Public safety	16,108	15,653	15,879	13,562	13,635	10,246	2.9	57.2
Amusement and recreation	14,727	14,542	14,049	13,771	13,905	13,642	1.3	8.0
Transportation	41,239	41,896	41,519	41,192	41,069	40,704	-1.6	1.3
Power	7,199	6,951	7,108	7,128	7,122	6,667	3.6	8.0
Highway and street	98,964	102,078	104,816	102,539	110,864	96,729	-3.1	2.3
Sewage and waste disposal	27,264	27,052	25,798	25,814	25,520	26,160	0.8	4.2
Water supply	18,437	18,463	17,999	17,495	17,641	15,672	-0.1	17.6
Conservation and development	9,232	8,900	8,517	8,486	8,386	8,971	3.7	2.9

^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.

Data are at an annual rate, adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Construction Spending, September 1, 2020.
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	Jul 2020 ^p	Jun 2020 ^r	May 2020 ^r	Apr 2020	Mar 2020	Jul 2019	Year-to-date		
							Jul 2020	Jul 2019	Percent change
Total Construction	124,747	123,675	116,902	113,264	110,839	125,821	792,641	761,856	4.0
Residential	50,902	49,669	47,274	47,657	47,656	51,202	326,207	307,685	6.0
Nonresidential	73,845	74,005	69,628	65,607	63,182	74,619	466,434	454,170	2.7
Lodging	2,414	2,519	2,453	2,483	2,525	2,789	17,472	19,227	-9.1
Office	6,983	7,071	6,880	6,687	6,574	7,522	46,772	47,862	-2.3
Commercial	7,061	7,424	7,190	6,925	6,707	7,012	47,974	45,211	6.1
Health care	3,919	4,083	3,961	3,866	3,890	3,879	27,166	25,527	6.4
Educational	10,205	10,026	8,878	8,209	7,863	10,840	60,069	60,255	-0.3
Religious	240	249	253	247	253	328	1,749	2,053	-14.8
Public safety	1,340	1,372	1,306	1,125	1,086	868	8,209	5,498	49.3
Amusement and recreation	2,367	2,381	2,344	2,275	2,200	2,426	15,796	16,258	-2.8
Transportation	5,104	5,187	4,883	4,565	4,232	5,043	31,981	31,788	0.6
Communication	1,899	1,872	1,831	1,884	1,899	1,806	12,826	12,396	3.5
Power	9,861	10,068	9,919	10,059	9,908	9,661	69,803	61,226	14.0
Highway and street	11,336	10,582	9,068	7,252	6,021	11,011	54,232	53,533	1.3
Sewage and waste disposal	2,484	2,485	2,283	2,092	1,927	2,399	14,811	14,313	3.5
Water supply	1,700	1,733	1,636	1,477	1,376	1,449	10,476	8,636	21.3
Conservation and development	767	735	692	645	665	740	4,937	4,992	-1.1
Manufacturing	6,164	6,219	6,052	5,816	6,058	6,847	42,161	45,395	-7.1
Total Private Construction¹	89,787	89,467	86,281	86,199	86,191	92,405	596,309	577,504	3.3
Residential	50,112	48,863	46,569	47,023	47,054	50,647	321,582	304,257	5.7
New single family	24,452	22,923	22,586	23,286	24,078	25,548	159,016	154,572	2.9
New multifamily	7,227	7,081	6,729	6,597	6,749	6,804	47,171	47,561	-0.8
Nonresidential	39,674	40,604	39,712	39,176	39,137	41,758	274,727	273,247	0.5
Lodging	2,325	2,427	2,366	2,393	2,453	2,696	16,870	18,606	-9.3
Office	5,987	6,036	5,902	5,793	5,683	6,580	40,331	41,864	-3.7
Commercial	6,717	7,069	6,841	6,586	6,395	6,665	45,711	42,890	6.6
Health care	3,109	3,253	3,168	3,139	3,148	3,103	21,905	20,255	8.1
Educational	1,482	1,516	1,442	1,381	1,492	1,943	10,212	12,712	-19.7
Religious	240	249	253	247	253	328	1,749	2,053	-14.8
Amusement and recreation	1,059	1,077	1,109	1,146	1,142	1,224	7,738	8,696	-11.0
Transportation	1,391	1,393	1,350	1,247	1,162	1,393	8,888	9,841	-9.7
Communication	1,888	1,864	1,824	1,878	1,892	1,796	12,771	12,311	3.7
Power	9,225	9,400	9,308	9,477	9,391	9,072	65,792	57,758	13.9
Manufacturing	6,139	6,189	6,019	5,789	6,034	6,812	41,971	45,209	-7.2
Total Public Construction²	34,960	34,208	30,621	27,065	24,647	33,416	196,332	184,351	6.5
Residential	790	807	705	634	602	555	4,625	3,428	34.9
Nonresidential	34,170	33,401	29,916	26,431	24,045	32,861	191,707	180,924	6.0
Office	995	1,034	978	893	892	942	6,442	5,998	7.4
Commercial	344	355	349	339	312	348	2,263	2,322	-2.5
Health care	810	831	793	726	742	776	5,261	5,272	-0.2
Educational	8,723	8,510	7,436	6,828	6,371	8,897	49,857	47,543	4.9
Public safety	1,330	1,364	1,296	1,116	1,076	849	8,140	5,342	52.4
Amusement and recreation	1,308	1,305	1,235	1,129	1,058	1,202	8,057	7,562	6.5
Transportation	3,713	3,794	3,533	3,318	3,070	3,650	23,093	21,947	5.2
Power	636	667	611	582	517	589	4,012	3,468	15.7
Highway and street	11,311	10,547	9,037	7,225	5,999	10,970	54,028	53,261	1.4
Sewage and waste disposal	2,454	2,448	2,255	2,063	1,900	2,348	14,596	13,905	5.0
Water supply	1,656	1,688	1,583	1,446	1,349	1,417	10,214	8,440	21.0
Conservation and development	763	728	685	641	660	736	4,897	4,971	-1.5

^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, September 1, 2020.

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	0.7	1.0
Residential	4.5	4.8	6.2	2.3	5.4
Nonresidential	0.7	0.5	0.7	0.7	1.0
Lodging	1.4	1.2	2.0	0.7	1.8
Office	1.5	1.3	1.5	0.8	1.4
Commercial	1.7	1.3	1.7	1.0	1.6
Health care	1.8	1.4	1.9	0.8	2.2
Educational	1.6	1.3	1.8	0.9	2.5
Religious	6.4	6.6	7.0	2.6	6.3
Public safety	3.4	2.5	4.4	1.5	5.4
Amusement and recreation	2.1	1.7	2.1	1.6	2.4
Transportation	1.2	0.9	1.3	0.7	2.0
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.4	0.1	0.3
Highway and street	2.8	2.1	3.1	3.6	4.9
Sewage and waste disposal	3.0	2.1	3.3	2.6	4.4
Water supply	3.9	2.7	4.8	2.4	5.9
Conservation and development	2.1	1.5	2.1	1.3	2.8
Manufacturing	1.2	1.4	1.4	0.3	1.2
Total Private Construction	0.6	0.5	0.7	0.3	0.6
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	5.7	5.0	3.9	1.4	4.2
Nonresidential	0.6	0.5	0.7	0.3	0.6
Lodging	1.4	1.2	2.0	0.7	1.8
Office	1.7	1.4	1.6	0.8	1.4
Commercial	1.8	1.3	1.8	1.1	1.6
Health care	2.2	1.7	2.4	1.0	2.5
Educational	2.7	1.9	2.0	1.2	2.4
Religious	6.4	6.6	7.0	2.6	6.3
Amusement and recreation	2.6	2.4	2.3	1.4	2.6
Transportation	1.1	0.9	1.9	0.3	1.9
Communication	NA	NA	NA	NA	NA
Power	0.2	0.1	0.3	0.1	0.2
Manufacturing	1.2	1.4	1.4	0.3	1.2
Total Public Construction	1.1	0.8	1.2	1.2	1.9
Residential	4.5	4.8	6.2	2.3	5.4
Nonresidential	1.1	0.8	1.2	1.3	1.9
Office	2.5	2.6	3.7	1.7	3.8
Commercial	7.1	7.2	8.4	1.8	6.0
Health care	2.5	1.7	2.2	1.6	3.6
Educational	1.9	1.5	2.2	1.1	3.0
Public safety	3.4	2.5	4.5	1.4	5.5
Amusement and recreation	3.0	2.3	3.8	2.7	4.3
Transportation	1.4	1.0	1.5	0.9	2.5
Power	6.9	4.2	10.4	1.5	12.0
Highway and street	2.8	2.1	3.1	3.6	4.9
Sewage and waste disposal	3.1	2.1	3.4	2.6	4.5
Water supply	4.0	2.7	4.8	2.5	5.9
Conservation and development	2.1	1.5	2.1	1.3	2.8

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, September 1, 2020. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html