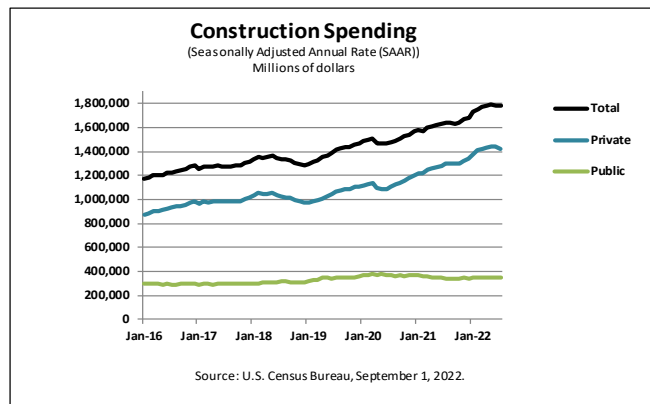


MONTHLY CONSTRUCTION SPENDING, JULY 2022

Release Number: CB22-140

September 1, 2022 — The U.S. Census Bureau announced the following value put in place construction statistics for July 2022:

CONSTRUCTION SPENDING	
JULY 2022	\$1,777.3 billion
JUNE 2022 (revised)	\$1,784.3 billion
Next release: October 3, 2022	
Seasonally Adjusted Annual Rate (SAAR)	
Source: U.S. Census Bureau, September 1, 2022	



Total Construction

Construction spending during July 2022 was estimated at a seasonally adjusted annual rate of \$1,777.3 billion, 0.4 percent (± 0.8 percent)* below the revised June estimate of \$1,784.3 billion. The July figure is 8.5 percent (± 1.3 percent) above the July 2021 estimate of \$1,637.3 billion. During the first seven months of this year, construction spending amounted to \$1,013.7 billion, 10.8 percent (± 1.0 percent) above the \$915.2 billion for the same period in 2021.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,424.2 billion, 0.8 percent (± 0.7 percent) below the revised June estimate of \$1,436.4 billion. Residential construction was at a seasonally adjusted annual rate of \$920.4 billion in July, 1.5 percent (± 1.3 percent) below the revised June estimate of \$934.4 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$503.9 billion in July, 0.4 percent (± 0.7 percent)* above the revised June estimate of \$502.1 billion.

Public Construction

In July, the estimated seasonally adjusted annual rate of public construction spending was \$353.1 billion, 1.5 percent (± 1.5 percent)* above the revised June estimate of \$347.9 billion. Educational construction was at a seasonally adjusted annual rate of \$77.2 billion, 0.1 percent (± 2.1 percent)* below the revised June estimate of \$77.3 billion. Highway construction was at a seasonally adjusted annual rate of \$102.7 billion, 4.3 percent (± 4.1 percent) above the revised June estimate of \$98.4 billion.

Data Inquiries

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The August 2022 Monthly Construction Spending Report is scheduled for release on October 3, 2022. 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 (\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, 0.73 percent; private construction, 0.92 percent; and public construction, 0.58 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
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	Jul 2022 ^p	Jun 2022 ^r	May 2022 ^r	Apr 2022	Mar 2022	Jul 2021	Percent change Jul 2022 from -	
							Jun 2022	Jul 2021
Total Construction	1,777,296	1,784,299	1,793,778	1,780,890	1,768,168	1,637,329	-0.4	8.5
Residential	929,667	943,612	954,475	940,598	929,023	815,483	-1.5	14.0
Nonresidential	847,630	840,687	839,303	840,292	839,145	821,846	0.8	3.1
Lodging	17,182	17,088	16,991	16,781	16,203	17,510	0.6	-1.9
Office	85,832	85,380	85,418	85,214	84,343	86,617	0.5	-0.9
Commercial	107,702	106,972	106,992	104,262	104,265	95,054	0.7	13.3
Health care	50,978	51,631	50,715	51,063	51,026	48,200	-1.3	5.8
Educational	95,432	95,329	95,844	97,600	97,783	94,506	0.1	1.0
Religious	2,851	2,815	2,786	2,679	2,879	2,825	1.3	0.9
Public safety	11,428	11,175	11,113	10,705	10,973	11,987	2.3	-4.7
Amusement and recreation	26,502	26,298	26,058	26,488	25,993	24,567	0.8	7.9
Transportation	55,490	54,919	55,185	54,598	54,515	56,295	1.0	-1.4
Communication	24,343	24,133	23,819	23,561	23,633	25,139	0.9	-3.2
Power	109,196	109,132	108,724	111,473	116,976	124,657	0.1	-12.4
Highway and street	103,411	99,089	101,250	103,301	100,971	98,904	4.4	4.6
Sewage and waste disposal	30,952	31,035	30,487	30,619	29,915	28,735	-0.3	7.7
Water supply	22,571	22,689	20,347	20,055	19,502	18,846	-0.5	19.8
Conservation and development	9,009	8,847	8,860	9,011	9,346	8,576	1.8	5.0
Manufacturing	94,752	94,155	94,714	92,881	90,823	79,429	0.6	19.3
Total Private Construction¹	1,424,232	1,436,439	1,446,287	1,431,070	1,420,636	1,295,449	-0.8	9.9
Residential ²	920,354	934,369	945,199	931,545	920,041	806,484	-1.5	14.1
New single family	450,077	468,968	480,932	481,022	474,854	437,294	-4.0	2.9
New multifamily	100,481	101,072	100,461	100,519	100,190	101,732	-0.6	-1.2
Nonresidential	503,879	502,070	501,088	499,524	500,595	488,965	0.4	3.1
Lodging	16,835	16,734	16,612	16,427	15,868	16,790	0.6	0.3
Office	73,490	73,386	73,100	73,302	72,311	74,944	0.1	-1.9
Commercial	104,102	103,378	103,451	100,932	100,763	91,525	0.7	13.7
Health care	40,067	40,560	39,983	40,527	40,322	37,968	-1.2	5.5
Educational	18,233	18,021	17,961	18,292	18,109	15,688	1.2	16.2
Religious	2,851	2,815	2,786	2,679	2,879	2,820	1.3	1.1
Amusement and recreation	13,561	13,344	13,442	13,443	12,973	12,444	1.6	9.0
Transportation	14,440	14,434	14,566	14,451	14,382	15,668	0.0	-7.8
Communication	24,251	24,037	23,736	23,463	23,539	24,903	0.9	-2.6
Power	99,766	99,721	99,235	101,602	107,072	115,649	0.0	-13.7
Manufacturing	94,048	93,481	94,162	92,353	90,430	78,878	0.6	19.2
Total Public Construction³	353,064	347,859	347,491	349,821	347,532	341,881	1.5	3.3
Residential	9,313	9,243	9,277	9,053	8,982	8,999	0.8	3.5
Nonresidential	343,751	338,617	338,215	340,768	338,550	332,881	1.5	3.3
Office	12,342	11,994	12,317	11,912	12,033	11,673	2.9	5.7
Commercial	3,601	3,594	3,541	3,331	3,502	3,528	0.2	2.1
Health care	10,911	11,071	10,732	10,535	10,704	10,232	-1.4	6.6
Educational	77,199	77,308	77,883	79,308	79,673	78,818	-0.1	-2.1
Public safety	11,294	11,046	10,982	10,647	10,870	11,867	2.2	-4.8
Amusement and recreation	12,942	12,954	12,616	13,046	13,019	12,123	-0.1	6.8
Transportation	41,049	40,485	40,619	40,147	40,133	40,628	1.4	1.0
Power	9,430	9,410	9,488	9,871	9,904	9,008	0.2	4.7
Highway and street	102,669	98,392	100,505	102,561	100,219	98,442	4.3	4.3
Sewage and waste disposal	30,322	30,399	29,977	30,030	29,438	28,311	-0.3	7.1
Water supply	21,973	22,109	19,739	19,452	18,951	18,271	-0.6	20.3
Conservation and development	8,876	8,730	8,800	8,947	9,283	8,468	1.7	4.8

^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 private residential improvements.

³Includes 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, 2022. 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 2022 ^p	Jun 2022 ^r	May 2022 ^r	Apr 2022	Mar 2022	Jul 2021	Year-to-date		
							Jul 2022	Jul 2021	Percent change
Total Construction	161,645	162,267	155,883	147,248	140,560	149,164	1,013,738	915,179	10.8
Residential	85,388	86,381	84,433	79,518	75,874	74,538	537,464	446,819	20.3
Nonresidential	76,257	75,886	71,451	67,730	64,686	74,625	476,274	468,359	1.7
Lodging	1,438	1,466	1,447	1,435	1,372	1,475	9,682	11,597	-16.5
Office	7,396	7,465	7,231	7,026	6,820	7,482	48,832	50,208	-2.7
Commercial	9,205	9,316	9,069	8,659	8,417	8,151	60,301	52,744	14.3
Health care	4,309	4,426	4,275	4,207	4,148	4,100	29,057	27,520	5.6
Educational	9,638	9,370	8,268	7,762	7,291	9,724	55,998	58,126	-3.7
Religious	242	241	229	224	230	242	1,591	1,711	-7.0
Public safety	951	982	946	879	875	997	6,175	7,601	-18.8
Amusement and recreation	2,298	2,325	2,242	2,180	2,052	2,153	14,911	14,613	2.0
Transportation	4,910	4,915	4,757	4,382	4,105	5,040	30,923	32,659	-5.3
Communication	1,992	1,980	1,963	1,916	1,977	2,072	13,334	13,715	-2.8
Power	9,285	9,382	9,135	9,195	9,359	10,589	64,918	69,970	-7.2
Highway and street	11,136	10,333	8,975	7,591	6,048	10,970	54,200	53,809	0.7
Sewage and waste disposal	2,792	2,858	2,628	2,455	2,242	2,586	16,916	15,625	8.3
Water supply	2,016	2,070	1,815	1,644	1,499	1,680	11,762	10,938	7.5
Conservation and development	752	730	696	664	742	724	4,828	4,355	10.9
Manufacturing	7,897	8,028	7,774	7,512	7,508	6,643	52,847	43,169	22.4
Total Private Construction¹	127,401	128,837	125,775	119,958	115,806	115,445	819,552	718,488	14.1
Residential ²	84,571	85,542	83,639	78,771	75,188	73,746	532,330	441,468	20.6
New single family	40,492	41,232	40,999	39,977	38,339	39,389	266,168	232,152	14.7
New multifamily	8,352	8,744	8,506	8,561	8,267	8,572	58,199	58,616	-0.7
Nonresidential	42,831	43,295	42,135	41,187	40,618	41,699	287,222	277,020	3.7
Lodging	1,409	1,437	1,416	1,406	1,344	1,415	9,479	11,122	-14.8
Office	6,341	6,390	6,180	6,054	5,863	6,480	41,957	43,527	-3.6
Commercial	8,907	9,003	8,776	8,392	8,134	7,857	58,354	50,559	15.4
Health care	3,379	3,461	3,377	3,352	3,270	3,217	22,979	21,956	4.7
Educational	1,655	1,671	1,587	1,537	1,461	1,448	10,617	9,216	15.2
Religious	242	241	229	224	230	242	1,591	1,708	-6.9
Amusement and recreation	1,152	1,161	1,133	1,115	1,051	1,082	7,605	7,156	6.3
Transportation	1,243	1,274	1,270	1,183	1,051	1,348	8,203	8,797	-6.8
Communication	1,984	1,972	1,956	1,908	1,969	2,053	13,277	13,594	-2.3
Power	8,485	8,509	8,297	8,387	8,619	9,811	59,415	65,494	-9.3
Manufacturing	7,838	7,972	7,728	7,468	7,476	6,597	52,543	42,951	22.3
Total Public Construction³	34,244	33,429	30,109	27,290	24,754	33,719	194,186	196,691	-1.3
Residential	818	838	793	747	686	792	5,134	5,351	-4.1
Nonresidential	33,426	32,591	29,316	26,543	24,068	32,927	189,052	191,340	-1.2
Office	1,054	1,075	1,052	972	957	1,002	6,876	6,681	2.9
Commercial	298	313	293	267	283	294	1,948	2,185	-10.8
Health care	930	965	898	855	878	884	6,078	5,564	9.2
Educational	7,983	7,699	6,681	6,225	5,831	8,276	45,381	48,910	-7.2
Public safety	939	970	933	874	867	987	6,110	7,541	-19.0
Amusement and recreation	1,146	1,164	1,109	1,065	1,001	1,072	7,306	7,457	-2.0
Transportation	3,668	3,640	3,488	3,199	3,054	3,691	22,720	23,862	-4.8
Power	800	873	838	808	741	778	5,503	4,476	22.9
Highway and street	11,070	10,261	8,905	7,535	5,984	10,924	53,751	53,573	0.3
Sewage and waste disposal	2,738	2,797	2,583	2,409	2,207	2,550	16,607	15,371	8.0
Water supply	1,964	2,020	1,761	1,594	1,460	1,630	11,426	10,583	8.0
Conservation and development	741	721	691	659	737	715	4,784	4,321	10.7

^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 private residential improvements.

³Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Source: U.S. Census Bureau, Construction Spending, September 1, 2022.

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	0.6	0.5	0.6	0.5	0.8
Residential	5.9	5.6	3.4	4.2	4.0
Nonresidential	0.6	0.5	0.6	0.5	0.8
Lodging	1.8	1.6	2.1	0.9	2.4
Office	1.9	1.8	1.8	0.9	2.4
Commercial	1.2	1.0	1.5	0.8	1.4
Health care	1.3	1.1	1.6	0.8	1.8
Educational	1.7	1.3	1.8	1.1	2.0
Religious	5.9	5.3	5.2	5.0	7.1
Public safety	2.2	1.8	2.2	2.0	3.2
Amusement and recreation	2.4	2.0	2.4	1.3	2.8
Transportation	1.4	1.0	1.0	0.9	1.4
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.1	0.3
Highway and street	2.7	1.7	2.1	2.5	3.1
Sewage and waste disposal	2.7	2.1	2.4	2.4	3.6
Water supply	3.3	2.4	3.3	2.7	5.6
Conservation and development	2.4	1.9	2.2	3.0	3.6
Manufacturing	0.8	0.8	1.2	0.4	1.2
Total Private Construction	0.6	0.6	0.7	0.4	0.8
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.8	8.4	1.7	0.6	2.8
New multifamily	6.4	6.3	4.1	0.9	4.2
Nonresidential	0.6	0.6	0.7	0.4	0.8
Lodging	1.8	1.6	2.2	0.9	2.5
Office	2.2	2.0	2.0	1.1	2.8
Commercial	1.2	1.0	1.5	0.8	1.4
Health care	1.6	1.3	1.9	0.9	2.1
Educational	2.6	2.2	3.5	1.4	3.4
Religious	5.9	5.3	5.2	5.0	7.1
Amusement and recreation	3.4	2.8	3.4	1.9	3.9
Transportation	2.3	2.3	1.5	0.7	1.5
Communication	NA	NA	NA	NA	NA
Power	0.1	0.1	0.1	0.1	0.1
Manufacturing	0.8	0.7	1.2	0.4	1.1
Total Public Construction	1.1	0.7	0.9	0.9	1.3
Residential	5.9	5.6	3.4	4.2	4.0
Nonresidential	1.1	0.7	0.9	1.0	1.4
Office	2.8	2.5	2.9	1.5	3.3
Commercial	5.0	4.4	7.5	2.5	7.2
Health care	1.8	1.4	2.2	1.4	2.8
Educational	1.9	1.5	2.0	1.3	2.3
Public safety	2.2	1.7	2.2	2.0	3.2
Amusement and recreation	3.4	3.0	3.4	1.7	3.9
Transportation	1.6	1.1	1.2	1.0	1.7
Power	5.4	4.2	6.9	2.1	7.8
Highway and street	2.7	1.7	2.0	2.5	3.1
Sewage and waste disposal	2.8	2.2	2.5	2.5	3.5
Water supply	3.3	2.4	3.3	2.7	5.7
Conservation and development	2.4	1.9	2.2	3.0	3.5

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, September 1, 2022. Additional information on the survey methodology may be found at <www.census.gov/construction/c30/meth.html>