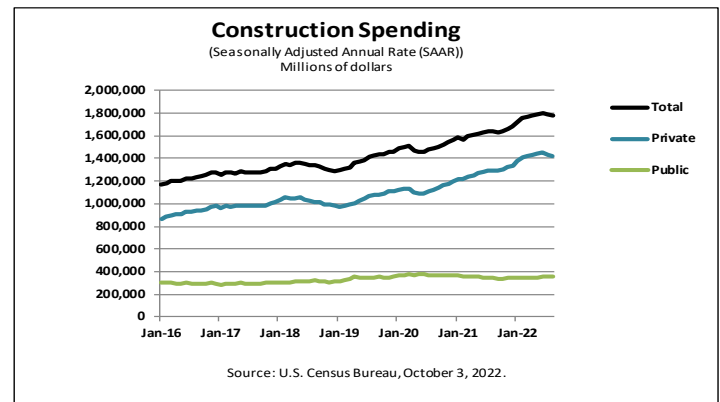


FOR RELEASE AT 10:00 AM EDT, MONDAY, OCTOBER 3, 2022

MONTHLY CONSTRUCTION SPENDING, AUGUST 2022

Release Number: CB22-165

October 3, 2022 — The U.S. Census Bureau announced the following value put in place construction statistics for August 2022:



Total Construction

Construction spending during August 2022 was estimated at a seasonally adjusted annual rate of \$1,781.3 billion, 0.7 percent (± 1.0 percent)* below the revised July estimate of \$1,793.5 billion. The August figure is 8.5 percent (± 1.6 percent) above the August 2021 estimate of \$1,641.6 billion. During the first eight months of this year, construction spending amounted to \$1,183.8 billion, 10.9 percent (± 1.0 percent) above the \$1,067.4 billion for the same period in 2021.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,426.0 billion, 0.6 percent (± 0.7 percent)* below the revised July estimate of \$1,435.2 billion. Residential construction was at a seasonally adjusted annual rate of \$912.9 billion in August, 0.9 percent (± 1.3 percent)* below the revised July estimate of \$921.6 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$513.1 billion in August, 0.1 percent (± 0.7 percent)* below the revised July estimate of \$513.6 billion.

Public Construction

In August, the estimated seasonally adjusted annual rate of public construction spending was \$355.3 billion, 0.8 percent (± 1.8 percent)* below the revised July estimate of \$358.3 billion. Educational construction was at a seasonally adjusted annual rate of \$77.6 billion, 0.4 percent (± 1.8 percent)* below the revised July estimate of \$78.0 billion. Highway construction was at a seasonally adjusted annual rate of \$102.0 billion, 1.4 percent (± 4.8 percent)* below the revised July estimate of \$103.4 billion.

Data Inquiries

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U.S. Department of Commerce
U.S. CENSUS BUREAU
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The September 2022 Monthly Construction Spending Report is scheduled for release on November 1, 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 (± 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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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	Aug 2022 ^p	Jul 2022 ^r	Jun 2022 ^r	May 2022	Apr 2022	Aug 2021	Percent change Aug 2022 from -	
							Jul 2022	Aug 2021
Total Construction	1,781,278	1,793,514	1,803,791	1,793,778	1,780,890	1,641,600	-0.7	8.5
Residential	921,993	930,948	946,828	954,475	940,598	820,597	-1.0	12.4
Nonresidential	859,285	862,565	856,963	839,303	840,292	821,003	-0.4	4.7
Lodging	18,155	17,868	17,829	16,991	16,781	16,642	1.6	9.1
Office	85,438	85,859	85,603	85,418	85,214	86,205	-0.5	-0.9
Commercial	112,807	112,909	112,999	106,992	104,262	94,686	-0.1	19.1
Health care	52,058	52,259	52,504	50,715	51,063	48,234	-0.4	7.9
Educational	96,135	96,525	96,972	95,844	97,600	95,866	-0.4	0.3
Religious	2,895	2,869	2,870	2,786	2,679	2,724	0.9	6.3
Public safety	11,540	11,697	11,212	11,113	10,705	11,461	-1.3	0.7
Amusement and recreation	26,351	26,194	26,183	26,058	26,488	24,210	0.6	8.8
Transportation	55,342	55,355	55,057	55,185	54,598	55,537	0.0	-0.4
Communication	24,443	24,374	24,175	23,819	23,561	24,798	0.3	-1.4
Power	107,522	108,417	109,123	108,724	111,473	123,100	-0.8	-12.7
Highway and street	103,001	104,277	99,862	101,250	103,301	100,644	-1.2	2.3
Sewage and waste disposal	32,575	32,133	31,630	30,487	30,619	29,111	1.4	11.9
Water supply	24,515	24,822	24,181	20,347	20,055	19,890	-1.2	23.3
Conservation and development	9,316	9,204	8,949	8,860	9,011	7,898	1.2	18.0
Manufacturing	97,194	97,803	97,816	94,714	92,881	79,997	-0.6	21.5
Total Private Construction¹	1,425,963	1,435,171	1,451,969	1,446,287	1,431,070	1,297,673	-0.6	9.9
Residential ²	912,913	921,616	937,710	945,199	931,545	811,497	-0.9	12.5
New single family	436,308	449,186	469,576	480,932	481,022	436,397	-2.9	0.0
New multifamily	101,246	100,859	101,293	100,461	100,519	101,432	0.4	-0.2
Nonresidential	513,051	513,555	514,258	501,088	499,524	486,177	-0.1	5.5
Lodging	17,597	17,304	17,255	16,612	16,427	15,998	1.7	10.0
Office	73,784	73,583	73,562	73,100	73,302	74,707	0.3	-1.2
Commercial	108,870	108,912	109,073	103,451	100,932	91,145	0.0	19.4
Health care	41,386	41,358	41,720	39,983	40,527	38,136	0.1	8.5
Educational	18,502	18,556	18,595	17,961	18,292	15,855	-0.3	16.7
Religious	2,895	2,869	2,870	2,786	2,679	2,719	0.9	6.5
Amusement and recreation	13,547	13,476	13,462	13,442	13,443	12,241	0.5	10.7
Transportation	14,732	14,564	14,523	14,566	14,451	15,303	1.2	-3.7
Communication	24,332	24,245	24,035	23,736	23,463	24,557	0.4	-0.9
Power	98,013	98,902	99,691	99,235	101,602	114,246	-0.9	-14.2
Manufacturing	96,649	97,100	97,127	94,162	92,353	79,504	-0.5	21.6
Total Public Construction³	355,314	358,343	351,822	347,491	349,821	343,927	-0.8	3.3
Residential	9,080	9,332	9,117	9,277	9,053	9,101	-2.7	-0.2
Nonresidential	346,234	349,010	342,705	338,215	340,768	334,826	-0.8	3.4
Office	11,654	12,276	12,042	12,317	11,912	11,499	-5.1	1.3
Commercial	3,937	3,997	3,926	3,541	3,331	3,542	-1.5	11.2
Health care	10,672	10,901	10,784	10,732	10,535	10,098	-2.1	5.7
Educational	77,633	77,969	78,377	77,883	79,308	80,011	-0.4	-3.0
Public safety	11,375	11,515	11,051	10,982	10,647	11,342	-1.2	0.3
Amusement and recreation	12,804	12,718	12,721	12,616	13,046	11,968	0.7	7.0
Transportation	40,610	40,791	40,533	40,619	40,147	40,234	-0.4	0.9
Power	9,509	9,515	9,432	9,488	9,871	8,854	-0.1	7.4
Highway and street	101,969	103,405	99,097	100,505	102,561	100,228	-1.4	1.7
Sewage and waste disposal	31,931	31,468	30,974	29,977	30,030	28,640	1.5	11.5
Water supply	23,723	23,981	23,524	19,739	19,452	19,265	-1.1	23.1
Conservation and development	9,205	9,077	8,841	8,800	8,947	7,762	1.4	18.6

^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, October 3, 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	Aug 2022 ^p	Jul 2022 ^r	Jun 2022 ^r	May 2022	Apr 2022	Aug 2021	Year-to-date		
							Aug 2022	Aug 2021	Percent change
Total Construction	165,540	163,973	164,499	155,883	147,248	152,194	1,183,838	1,067,373	10.9
Residential	86,144	86,131	86,929	84,433	79,518	76,752	624,899	523,571	19.4
Nonresidential	79,396	77,842	77,570	71,451	67,730	75,442	558,938	543,802	2.8
Lodging	1,553	1,495	1,533	1,447	1,435	1,410	11,359	13,007	-12.7
Office	7,466	7,404	7,499	7,231	7,026	7,524	56,340	57,732	-2.4
Commercial	9,987	9,717	9,911	9,069	8,659	8,310	71,395	61,054	16.9
Health care	4,484	4,438	4,493	4,275	4,207	4,133	33,736	31,652	6.6
Educational	9,602	9,789	9,559	8,268	7,762	9,650	65,939	67,776	-2.7
Religious	262	245	245	229	224	242	1,860	1,953	-4.8
Public safety	1,016	979	988	946	879	997	7,225	8,598	-16.0
Amusement and recreation	2,341	2,273	2,317	2,242	2,180	2,158	17,220	16,771	2.7
Transportation	5,061	4,891	4,926	4,757	4,382	5,077	35,976	37,735	-4.7
Communication	2,110	1,994	1,983	1,963	1,916	2,110	15,449	15,825	-2.4
Power	9,234	9,262	9,431	9,135	9,195	10,501	74,179	80,471	-7.8
Highway and street	11,783	11,291	10,445	8,975	7,591	11,286	66,249	65,095	1.8
Sewage and waste disposal	3,032	2,907	2,910	2,628	2,455	2,691	20,115	18,316	9.8
Water supply	2,254	2,221	2,216	1,815	1,644	1,802	14,367	12,740	12.8
Conservation and development	881	769	740	696	664	742	5,735	5,097	12.5
Manufacturing	8,331	8,167	8,374	7,774	7,512	6,810	61,794	49,979	23.6
Total Private Construction¹	129,860	129,102	130,627	125,775	119,958	117,839	952,901	836,327	13.9
Residential ²	85,324	85,309	86,104	83,639	78,771	75,932	618,953	517,401	19.6
New single family	39,631	40,434	41,277	40,999	39,977	39,986	305,786	272,138	12.4
New multifamily	8,847	8,401	8,770	8,506	8,561	8,808	67,121	67,423	-0.4
Nonresidential	44,536	43,793	44,523	42,135	41,187	41,906	333,948	318,926	4.7
Lodging	1,507	1,448	1,485	1,416	1,406	1,356	11,073	12,479	-11.3
Office	6,414	6,354	6,412	6,180	6,054	6,495	48,405	50,022	-3.2
Commercial	9,643	9,382	9,569	8,776	8,392	8,002	69,037	58,561	17.9
Health care	3,558	3,503	3,558	3,377	3,352	3,259	26,758	25,215	6.1
Educational	1,688	1,690	1,738	1,587	1,537	1,437	12,407	10,653	16.5
Religious	262	245	245	229	224	242	1,860	1,949	-4.6
Amusement and recreation	1,190	1,146	1,173	1,133	1,115	1,077	8,801	8,233	6.9
Transportation	1,271	1,246	1,278	1,270	1,183	1,312	9,481	10,109	-6.2
Communication	2,101	1,983	1,972	1,956	1,908	2,090	15,377	15,683	-2.0
Power	8,364	8,452	8,555	8,297	8,387	9,707	67,793	75,201	-9.9
Manufacturing	8,286	8,109	8,317	7,728	7,468	6,769	61,444	49,720	23.6
Total Public Construction³	35,680	34,871	33,872	30,109	27,290	34,355	230,936	231,046	0.0
Residential	820	822	826	793	747	819	5,946	6,170	-3.6
Nonresidential	34,860	34,049	33,047	29,316	26,543	33,536	224,990	224,876	0.1
Office	1,052	1,050	1,087	1,052	972	1,030	7,935	7,711	2.9
Commercial	344	335	343	293	267	308	2,358	2,493	-5.4
Health care	926	935	934	898	855	874	6,979	6,437	8.4
Educational	7,914	8,098	7,821	6,681	6,225	8,213	53,532	57,123	-6.3
Public safety	1,002	963	972	933	874	987	7,138	8,528	-16.3
Amusement and recreation	1,150	1,127	1,144	1,109	1,065	1,081	8,418	8,538	-1.4
Transportation	3,790	3,645	3,648	3,488	3,199	3,764	26,495	27,626	-4.1
Power	869	810	876	838	808	795	6,385	5,271	21.1
Highway and street	11,692	11,213	10,367	8,905	7,535	11,247	65,691	64,820	1.3
Sewage and waste disposal	2,969	2,850	2,847	2,583	2,409	2,646	19,738	18,016	9.6
Water supply	2,180	2,147	2,160	1,761	1,594	1,746	13,929	12,328	13.0
Conservation and development	871	759	731	691	659	731	5,683	5,051	12.5

^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 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, October 3, 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	0.6	1.0
Residential	5.9	5.3	3.3	1.5	4.0
Nonresidential	0.6	0.5	0.6	0.6	1.0
Lodging	1.7	1.4	2.1	1.1	3.0
Office	1.9	1.7	1.8	1.0	2.2
Commercial	1.2	0.9	1.5	0.7	1.5
Health care	1.3	1.1	1.6	0.7	2.0
Educational	1.7	1.4	1.8	1.0	2.1
Religious	6.1	5.1	5.0	4.2	7.1
Public safety	2.2	1.7	2.1	1.3	3.0
Amusement and recreation	2.4	2.1	2.4	1.5	2.7
Transportation	1.4	0.9	1.0	0.7	1.6
Communication	NA	NA	NA	NA	NA
Power	0.3	0.3	0.2	0.2	0.3
Highway and street	2.7	1.6	2.2	2.9	4.4
Sewage and waste disposal	2.8	2.1	2.5	2.1	4.2
Water supply	3.2	2.3	3.4	2.3	4.6
Conservation and development	2.2	2.0	2.4	2.0	3.5
Manufacturing	0.8	0.7	1.1	0.3	1.2
Total Private Construction	0.6	0.5	0.7	0.4	0.8
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.7	8.4	1.6	0.6	2.7
New multifamily	6.5	6.5	4.0	1.0	4.6
Nonresidential	0.6	0.5	0.7	0.4	0.8
Lodging	1.8	1.5	2.2	1.1	3.1
Office	2.2	2.0	2.0	1.1	2.5
Commercial	1.2	0.9	1.5	0.7	1.5
Health care	1.5	1.3	1.9	0.9	2.3
Educational	2.5	2.2	3.4	1.8	3.3
Religious	6.1	5.1	5.1	4.2	7.1
Amusement and recreation	3.4	3.0	3.4	1.8	3.8
Transportation	2.4	2.2	1.5	1.0	1.6
Communication	NA	NA	NA	NA	NA
Power	0.1	0.1	0.1	0.1	0.1
Manufacturing	0.8	0.7	1.1	0.3	1.2
Total Public Construction	1.1	0.7	0.9	1.1	1.7
Residential	5.9	5.3	3.3	1.5	4.0
Nonresidential	1.1	0.8	0.9	1.1	1.7
Office	2.8	2.3	2.7	2.0	2.9
Commercial	4.9	5.5	8.2	3.6	9.7
Health care	1.7	1.5	2.2	1.1	2.9
Educational	1.9	1.7	2.0	1.1	2.4
Public safety	2.2	1.7	2.1	1.3	3.0
Amusement and recreation	3.4	2.8	3.2	2.5	3.8
Transportation	1.5	1.0	1.2	0.8	1.9
Power	5.1	4.3	6.9	4.5	10.1
Highway and street	2.8	1.6	2.2	2.9	4.4
Sewage and waste disposal	2.8	2.1	2.5	2.1	4.0
Water supply	3.3	2.4	3.5	2.4	4.5
Conservation and development	2.2	2.0	2.4	2.0	3.4

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, October 3, 2022. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html