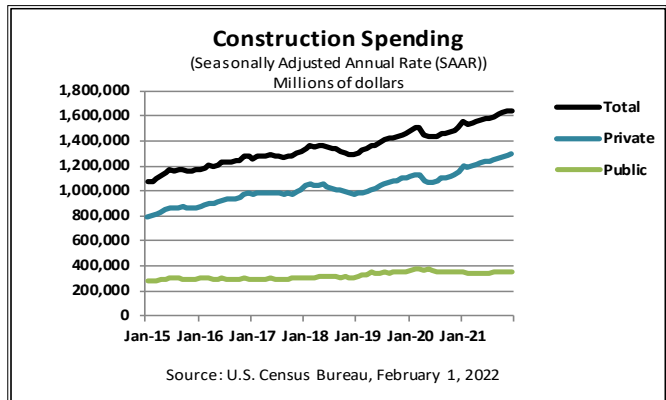


MONTHLY CONSTRUCTION SPENDING, DECEMBER 2021

Release Number: CB22-19

February 1, 2022 — The U.S. Census Bureau announced the following value put in place construction statistics for December 2021:

CONSTRUCTION SPENDING	
DECEMBER 2021	\$1,639.9 billion
NOVEMBER 2021 (revised)	\$1,636.5 billion
Next release: March 1, 2022	
Seasonally Adjusted Annual Rate (SAAR) Source: U.S. Census Bureau, February 1, 2022	



Total Construction

Construction spending during December 2021 was estimated at a seasonally adjusted annual rate of \$1,639.9 billion, 0.2 percent (± 0.8 percent)* above the revised November estimate of \$1,636.5 billion. The December figure is 9.0 percent (± 1.0 percent) above the December 2020 estimate of \$1,504.2 billion.

The value of construction in 2021 was \$1,589.0 billion, 8.2 percent (± 0.8 percent) above the \$1,469.2 billion spent in 2020.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,292.9 billion, 0.7 percent (± 0.5 percent) above the revised November estimate of \$1,283.8 billion. Residential construction was at a seasonally adjusted annual rate of \$810.3 billion in December, 1.1 percent (± 1.3 percent)* above the revised November estimate of \$801.1 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$482.6 billion in December, virtually unchanged from (± 0.5 percent)* the revised November estimate of \$482.7 billion.

The value of private construction in 2021 was \$1,242.8 billion, 12.2 percent (± 1.0 percent) above the \$1,107.9 billion spent in 2020. Residential construction in 2021 was \$774.9 billion, 23.2 percent (± 2.1 percent) above the 2020 figure of \$628.9 billion and nonresidential construction was \$467.9 billion, 2.3 percent (± 1.0 percent) below the \$479.0 billion in 2020.

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Public Construction

In December, the estimated seasonally adjusted annual rate of public construction spending was \$347.0 billion, 1.6 percent (± 1.3 percent) below the revised November estimate of \$352.7 billion. Educational construction was at a seasonally adjusted annual rate of \$81.0 billion, 1.4 percent (± 1.5 percent)* below the revised November estimate of \$82.2 billion. Highway construction was at a seasonally adjusted annual rate of \$103.5 billion, 0.1 percent (± 3.5 percent)* above the revised November estimate of \$103.4 billion.

The value of public construction in 2021 was \$346.2 billion, 4.2 percent (± 1.5 percent) below the \$361.2 billion spent in 2020. Educational construction in 2021 was \$82.4 billion, 7.6 percent (± 3.0 percent) below the 2020 figure of \$89.1 billion and highway construction was \$99.7 billion, 0.2 percent (± 3.6 percent)* above the \$99.5 billion in 2020.

The January 2022 Monthly Construction Spending Report is scheduled for release on March 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, 0.94 percent; private construction, 1.14 percent; and public construction, 0.70 percent. Explanations of confidence intervals and sampling variability can be found on our website at <www.census.gov/construction/c30/methodology.html/>.

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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.

Data Inquiries

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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	Dec 2021 ^p	Nov 2021 ^r	Oct 2021 ^r	Sep 2021	Aug 2021	Dec 2020	Percent change Dec 2021 from -	
							Nov 2021	Dec 2020
Total Construction	1,639,864	1,636,525	1,626,413	1,612,279	1,596,816	1,504,188	0.2	9.0
Residential	819,135	810,106	804,575	800,118	789,620	713,995	1.1	14.7
Nonresidential	820,729	826,419	821,838	812,161	807,196	790,192	-0.7	3.9
Lodging	17,979	17,652	17,296	17,374	18,291	23,984	1.9	-25.0
Office	83,827	83,484	83,034	82,753	82,921	79,991	0.4	4.8
Commercial	94,808	94,898	94,210	94,135	93,155	81,144	-0.1	16.8
Health care	49,445	50,158	49,821	50,023	49,842	46,263	-1.4	6.9
Educational	97,927	98,947	98,347	98,284	95,643	105,219	-1.0	-6.9
Religious	3,122	3,161	3,175	2,855	2,863	3,379	-1.2	-7.6
Public safety	10,017	10,723	10,726	10,552	11,476	15,475	-6.6	-35.3
Amusement and recreation	25,999	25,825	25,713	24,998	24,924	25,762	0.7	0.9
Transportation	55,976	57,261	56,689	56,106	55,862	58,985	-2.2	-5.1
Communication	21,962	22,047	22,005	21,660	21,678	21,937	-0.4	0.1
Power	115,026	114,957	114,777	114,418	114,067	106,826	0.1	7.7
Highway and street	104,257	103,925	104,356	101,682	101,686	102,812	0.3	1.4
Sewage and waste disposal	26,843	27,930	27,943	28,441	28,662	26,440	-3.9	1.5
Water supply	19,206	19,359	19,632	19,775	19,659	17,778	-0.8	8.0
Conservation and development	7,921	8,031	8,221	6,966	7,388	7,969	-1.4	-0.6
Manufacturing	86,414	88,062	85,894	82,140	79,079	66,229	-1.9	30.5
Total Private Construction¹	1,292,857	1,283,801	1,273,730	1,264,657	1,249,637	1,146,992	0.7	12.7
Residential ²	810,288	801,149	795,324	791,074	780,511	704,835	1.1	15.0
New single family	435,006	426,033	417,805	417,883	416,240	374,139	2.1	16.3
New multifamily	101,213	100,837	101,145	100,327	100,132	92,780	0.4	9.1
Nonresidential	482,570	482,651	478,407	473,583	469,126	442,157	0.0	9.1
Lodging	17,654	17,285	16,921	16,929	17,621	23,028	2.1	-23.3
Office	72,166	71,674	71,235	71,254	71,685	69,014	0.7	4.6
Commercial	91,357	91,288	90,706	90,738	89,621	77,153	0.1	18.4
Health care	38,886	39,073	38,981	39,215	38,926	36,478	-0.5	6.6
Educational	16,882	16,744	16,509	16,214	15,492	16,606	0.8	1.7
Religious	3,119	3,156	3,170	2,850	2,858	3,371	-1.2	-7.5
Amusement and recreation	12,661	12,252	12,507	11,984	11,965	11,826	3.3	7.1
Transportation	15,240	15,245	14,463	14,602	14,751	15,531	0.0	-1.9
Communication	21,716	21,800	21,780	21,562	21,557	21,751	-0.4	-0.2
Power	104,868	104,725	104,703	104,908	104,329	99,950	0.1	4.9
Manufacturing	85,959	87,630	85,494	81,625	78,579	65,918	-1.9	30.4
Total Public Construction³	347,007	352,725	352,683	347,622	347,179	357,195	-1.6	-2.9
Residential	8,847	8,957	9,252	9,044	9,109	9,160	-1.2	-3.4
Nonresidential	338,159	343,767	343,431	338,578	338,070	348,035	-1.6	-2.8
Office	11,661	11,810	11,799	11,499	11,236	10,977	-1.3	6.2
Commercial	3,451	3,610	3,504	3,398	3,534	3,991	-4.4	-13.5
Health care	10,559	11,085	10,840	10,808	10,917	9,785	-4.7	7.9
Educational	81,045	82,203	81,838	82,070	80,152	88,613	-1.4	-8.5
Public safety	9,909	10,614	10,606	10,445	11,329	15,330	-6.6	-35.4
Amusement and recreation	13,338	13,573	13,206	13,013	12,959	13,936	-1.7	-4.3
Transportation	40,736	42,016	42,226	41,504	41,112	43,454	-3.0	-6.3
Power	10,159	10,232	10,075	9,510	9,739	6,876	-0.7	47.7
Highway and street	103,494	103,396	103,972	101,270	101,240	102,538	0.1	0.9
Sewage and waste disposal	26,437	27,500	27,390	28,005	28,194	26,070	-3.9	1.4
Water supply	18,514	18,744	18,876	19,140	19,104	17,067	-1.2	8.5
Conservation and development	7,829	7,934	8,095	6,853	7,259	7,935	-1.3	-1.3

^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, February 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	Dec 2021 ^p	Nov 2021 ^r	Oct 2021 ^r	Sep 2021	Aug 2021	Dec 2020	Year-to-date		
							Dec 2021	Dec 2020	Percent change
Total Construction	123,582	137,573	144,938	147,445	149,196	113,555	1,588,994	1,469,153	8.2
Residential	59,657	68,332	72,002	72,853	74,613	52,324	783,955	638,088	22.9
Nonresidential	63,925	69,241	72,935	74,592	74,583	61,231	805,039	831,065	-3.1
Lodging	1,475	1,480	1,450	1,446	1,525	1,952	19,759	29,053	-32.0
Office	6,659	6,999	7,271	7,354	7,280	6,334	81,989	87,399	-6.2
Commercial	7,493	8,000	8,398	8,405	8,263	6,476	90,386	86,816	4.1
Health care	4,050	4,238	4,333	4,438	4,298	3,802	48,864	48,113	1.6
Educational	7,057	7,615	8,097	8,760	9,655	7,488	98,091	107,435	-8.7
Religious	254	270	278	252	253	274	3,062	3,500	-12.5
Public safety	806	912	921	985	1,000	1,254	11,977	17,878	-33.0
Amusement and recreation	2,055	2,155	2,265	2,277	2,244	2,036	25,190	27,550	-8.6
Transportation	4,423	4,928	5,061	5,122	5,089	4,665	56,306	59,661	-5.6
Communication	2,104	1,986	1,849	1,875	1,820	2,103	21,839	22,521	-3.0
Power	9,702	9,942	10,008	9,785	9,744	9,097	114,975	115,048	-0.1
Highway and street	6,173	8,610	10,451	11,463	11,414	5,968	100,157	99,888	0.3
Sewage and waste disposal	2,042	2,417	2,627	2,655	2,665	2,019	27,572	26,379	4.5
Water supply	1,447	1,603	1,745	1,792	1,789	1,344	18,971	18,727	1.3
Conservation and development	668	678	702	729	701	667	7,624	8,955	-14.9
Manufacturing	7,517	7,409	7,480	7,254	6,844	5,754	78,278	72,143	8.5
Total Private Construction¹	99,084	108,606	112,951	113,373	114,432	88,442	1,242,756	1,107,920	12.2
Residential ²	58,962	67,571	71,199	72,018	73,793	51,604	774,886	628,897	23.2
New single family	32,675	37,350	37,846	38,546	38,460	28,007	410,800	309,388	32.8
New multifamily	7,950	8,472	8,687	8,621	8,681	7,289	99,317	85,908	15.6
Nonresidential	40,122	41,035	41,753	41,355	40,639	36,837	467,870	479,023	-2.3
Lodging	1,448	1,449	1,419	1,409	1,469	1,872	19,093	27,987	-31.8
Office	5,729	6,015	6,269	6,309	6,267	5,473	70,576	75,301	-6.3
Commercial	7,212	7,691	8,099	8,086	7,949	6,145	86,828	82,726	5.0
Health care	3,189	3,312	3,408	3,453	3,344	3,005	38,486	38,283	0.5
Educational	1,294	1,333	1,355	1,354	1,414	1,259	15,736	18,347	-14.2
Religious	254	269	278	251	253	273	3,056	3,498	-12.6
Amusement and recreation	1,042	1,021	1,065	1,061	1,054	970	11,800	13,375	-11.8
Transportation	1,304	1,341	1,279	1,238	1,252	1,336	15,105	15,869	-4.8
Communication	2,083	1,966	1,830	1,867	1,810	2,087	21,709	22,424	-3.2
Power	8,933	9,110	9,127	8,961	8,868	8,571	105,914	107,877	-1.8
Manufacturing	7,480	7,373	7,447	7,211	6,802	5,728	77,898	71,791	8.5
Total Public Construction³	24,497	28,967	31,987	34,072	34,764	25,113	346,238	361,233	-4.2
Residential	694	761	804	835	820	720	9,069	9,191	-1.3
Nonresidential	23,803	28,206	31,183	33,237	33,944	24,393	337,169	352,042	-4.2
Office	930	984	1,003	1,045	1,013	861	11,413	12,098	-5.7
Commercial	281	309	300	319	314	331	3,557	4,090	-13.0
Health care	861	927	924	985	954	797	10,378	9,830	5.6
Educational	5,763	6,282	6,742	7,406	8,240	6,229	82,356	89,089	-7.6
Public safety	797	903	911	976	987	1,242	11,855	17,735	-33.2
Amusement and recreation	1,013	1,134	1,200	1,216	1,190	1,066	13,389	14,175	-5.5
Transportation	3,119	3,587	3,782	3,884	3,838	3,328	41,201	43,792	-5.9
Power	770	832	881	824	876	526	9,061	7,171	26.4
Highway and street	6,122	8,563	10,416	11,424	11,371	5,950	99,721	99,539	0.2
Sewage and waste disposal	2,011	2,381	2,578	2,613	2,620	1,990	27,149	25,975	4.5
Water supply	1,391	1,547	1,671	1,737	1,742	1,287	18,357	18,147	1.2
Conservation and development	660	670	692	719	690	665	7,552	8,883	-15.0

^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, February 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	0.7	0.4	0.5	0.5	0.6
Residential	5.6	4.7	3.9	3.0	4.5
Nonresidential	0.7	0.4	0.5	0.5	0.6
Lodging	2.5	2.0	1.4	1.2	1.8
Office	1.8	1.4	1.6	0.8	2.0
Commercial	1.3	0.7	1.2	0.6	1.4
Health care	1.7	1.1	1.6	0.6	2.1
Educational	1.7	1.2	1.6	0.8	1.6
Religious	5.3	3.2	4.1	2.5	6.4
Public safety	2.3	2.1	1.5	1.3	1.6
Amusement and recreation	2.6	1.7	1.6	1.4	2.4
Transportation	1.2	0.8	1.0	1.0	1.5
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.2	0.3
Highway and street	2.7	1.3	2.2	2.1	3.3
Sewage and waste disposal	2.7	2.0	2.6	2.3	3.3
Water supply	3.3	1.8	2.8	2.8	4.6
Conservation and development	2.2	1.3	1.5	1.8	2.0
Manufacturing	1.1	0.8	1.5	0.5	1.7
Total Private Construction	0.7	0.5	0.6	0.3	0.7
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.7	8.8	3.9	0.4	3.1
New multifamily	5.9	5.9	3.0	1.3	4.2
Nonresidential	0.7	0.5	0.6	0.3	0.7
Lodging	2.6	2.0	1.4	1.2	1.9
Office	2.1	1.6	1.7	0.8	2.2
Commercial	1.3	0.7	1.2	0.6	1.5
Health care	2.0	1.3	1.9	0.8	2.5
Educational	3.0	2.2	2.3	1.5	3.1
Religious	5.3	3.2	4.1	2.5	6.4
Amusement and recreation	3.5	2.5	2.3	2.3	3.3
Transportation	2.1	2.0	1.3	2.3	1.6
Communication	NA	NA	NA	NA	NA
Power	0.1	0.1	0.1	0.2	0.1
Manufacturing	1.1	0.8	1.5	0.5	1.8
Total Public Construction	1.1	0.6	0.9	0.8	1.1
Residential	5.6	4.7	3.9	3.0	4.5
Nonresidential	1.1	0.6	0.9	0.9	1.1
Office	2.7	2.1	2.7	2.0	3.0
Commercial	6.6	5.1	5.9	1.6	4.3
Health care	2.1	1.5	2.1	1.1	2.6
Educational	1.9	1.4	1.8	0.9	1.9
Public safety	2.3	2.1	1.5	1.3	1.6
Amusement and recreation	3.6	2.3	2.3	1.6	3.6
Transportation	1.4	0.9	1.1	1.1	1.7
Power	6.9	3.9	5.2	2.8	13.3
Highway and street	2.7	1.3	2.2	2.1	3.3
Sewage and waste disposal	2.8	2.0	2.6	2.3	3.4
Water supply	3.3	1.7	2.8	2.9	4.7
Conservation and development	2.2	1.3	1.5	1.8	2.0

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, February 1, 2022. 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	2021 ^P	2020	Percent change	Coefficient of variation
Total Construction	1,588,994	1,469,153	8.2	0.4
Residential	783,955	638,088	22.9	4.7
Nonresidential	805,039	831,065	-3.1	0.4
Lodging	19,759	29,053	-32.0	2.0
Office	81,989	87,399	-6.2	1.4
Commercial	90,386	86,816	4.1	0.7
Health care	48,864	48,113	1.6	1.1
Educational	98,091	107,435	-8.7	1.2
Religious	3,062	3,500	-12.5	3.2
Public safety	11,977	17,878	-33.0	2.1
Amusement and recreation	25,190	27,550	-8.6	1.7
Transportation	56,306	59,661	-5.6	0.8
Communication	21,839	22,521	-3.0	NA
Power	114,975	115,048	-0.1	0.2
Highway and street	100,157	99,888	0.3	1.3
Sewage and waste disposal	27,572	26,379	4.5	2.0
Water supply	18,971	18,727	1.3	1.8
Conservation and development	7,624	8,955	-14.9	1.3
Manufacturing	78,278	72,143	8.5	0.8
Total Private Construction¹	1,242,756	1,107,920	12.2	0.5
Residential ²	774,886	628,897	23.2	1.1
New single family	410,800	309,388	32.8	8.8
New multifamily	99,317	85,908	15.6	5.9
Nonresidential	467,870	479,023	-2.3	0.5
Lodging	19,093	27,987	-31.8	2.0
Office	70,576	75,301	-6.3	1.6
Commercial	86,828	82,726	5.0	0.7
Health care	38,486	38,283	0.5	1.3
Educational	15,736	18,347	-14.2	2.2
Religious	3,056	3,498	-12.6	3.2
Public safety	123	143	-14.0	20.7
Amusement and recreation	11,800	13,375	-11.8	2.5
Transportation	15,105	15,869	-4.8	2.0
Communication	21,709	22,424	-3.2	NA
Power	105,914	107,877	-1.8	0.1
Sewage and waste disposal	424	403	5.2	17.5
Water supply	614	580	5.9	14.3
Manufacturing	77,898	71,791	8.5	0.8
Total Public Construction³	346,238	361,233	-4.2	0.6
Residential	9,069	9,191	-1.3	4.7
Nonresidential	337,169	352,042	-4.2	0.6
Office	11,413	12,098	-5.7	2.1
Commercial	3,557	4,090	-13.0	5.1
Health care	10,378	9,830	5.6	1.5
Educational	82,356	89,089	-7.6	1.4
Public safety	11,855	17,735	-33.2	2.1
Amusement and recreation	13,389	14,175	-5.5	2.3
Transportation	41,201	43,792	-5.9	0.9
Power	9,061	7,171	26.4	3.9
Highway and street	99,721	99,539	0.2	1.3
Sewage and waste disposal	27,149	25,975	4.5	2.0
Water supply	18,357	18,147	1.2	1.7
Conservation and development	7,552	8,883	-15.0	1.3

NA Not applicable ¹Preliminary

¹Includes the following categories of private construction not shown separately: highway and street, 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, February 1, 2022. Additional information on the survey methodology may be found at <www.census.gov/construction/c30/meth.html>