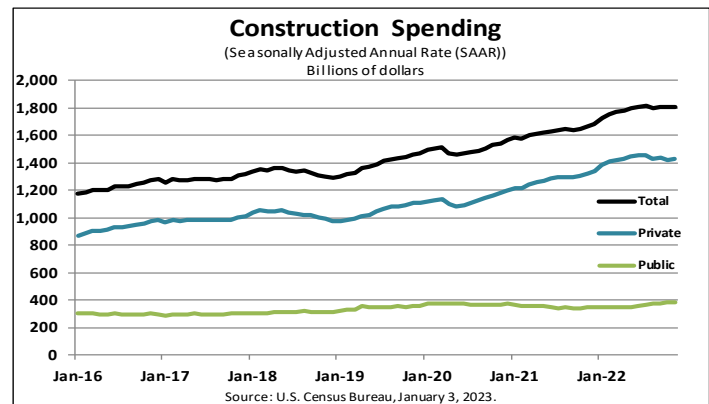


FOR RELEASE AT 10:00 AM EST, TUESDAY, JANUARY 3, 2023

MONTHLY CONSTRUCTION SPENDING, NOVEMBER 2022

Release Number: CB23-02

January 3, 2023 — The U.S. Census Bureau announced the following value put in place construction statistics for November 2022:



Total Construction

Construction spending during November 2022 was estimated at a seasonally adjusted annual rate of \$1,807.5 billion, 0.2 percent (± 0.8 percent)* above the revised October estimate of \$1,803.2 billion. The November figure is 8.5 percent (± 1.3 percent) above the November 2021 estimate of \$1,665.2 billion. During the first eleven months of this year, construction spending amounted to \$1,657.6 billion, 10.5 percent (± 1.0 percent) above the \$1,499.8 billion for the same period in 2021.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,426.4 billion, 0.3 percent (± 0.5 percent)* above the revised October estimate of \$1,421.6 billion. Residential construction was at a seasonally adjusted annual rate of \$868.0 billion in November, 0.5 percent (± 1.3 percent)* below the revised October estimate of \$872.4 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$558.3 billion in November, 1.7 percent (± 0.5 percent) above the revised October estimate of \$549.2 billion.

Public Construction

In November, the estimated seasonally adjusted annual rate of public construction spending was \$381.1 billion, 0.1 percent (± 1.5 percent)* below the revised October estimate of \$381.6 billion. Educational construction was at a seasonally adjusted annual rate of \$81.3 billion, 0.1 percent (± 1.5 percent)* above the revised October estimate of \$81.2 billion. Highway construction was at a seasonally adjusted annual rate of \$115.0 billion, 1.0 percent (± 3.3 percent)* below the revised October estimate of \$116.2 billion.

Data Inquiries

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U.S. Department of Commerce
U.S. CENSUS BUREAU
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Notice

The construction spending estimates released on March 1, 2023, will reflect new survey sampling rates for construction projects started in or after January 2023 to ensure each sample is representative of its target population and to maintain the efficiency of the sample.

The December 2022 Monthly Construction Spending Report is scheduled for release on February 1, 2023. 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	Nov 2022 ^p	Oct 2022 ^r	Sep 2022 ^r	Aug 2022	Jul 2022	Nov 2021	Percent change Nov 2022 from -	
							Oct 2022	Nov 2021
Total Construction	1,807,505	1,803,208	1,807,497	1,797,771	1,817,862	1,665,191	0.2	8.5
Residential	877,370	881,782	889,018	905,056	936,964	832,997	-0.5	5.3
Nonresidential	930,135	921,426	918,479	892,714	880,897	832,195	0.9	11.8
Lodging	20,308	20,265	20,144	18,560	18,001	15,620	0.2	30.0
Office	87,961	87,642	87,310	86,641	86,493	85,535	0.4	2.8
Commercial	120,669	120,754	120,099	118,177	116,097	100,282	-0.1	20.3
Health care	53,985	54,053	52,848	53,152	52,641	50,320	-0.1	7.3
Educational	100,593	100,374	98,554	97,284	97,050	97,298	0.2	3.4
Religious	2,895	2,781	3,047	3,129	3,111	2,894	4.1	0.0
Public safety	11,697	11,893	11,595	11,889	11,771	10,521	-1.6	11.2
Amusement and recreation	27,891	28,248	27,726	27,247	26,202	26,195	-1.3	6.5
Transportation	59,392	58,955	58,051	56,965	55,889	55,627	0.7	6.8
Communication	24,780	24,960	24,796	24,555	24,406	24,910	-0.7	-0.5
Power	109,068	108,101	105,247	105,986	109,283	119,155	0.9	-8.5
Highway and street	115,973	117,143	117,625	111,519	108,569	101,044	-1.0	14.8
Sewage and waste disposal	33,328	33,152	33,171	33,323	32,439	27,822	0.5	19.8
Water supply	25,097	25,585	25,518	25,778	24,643	19,133	-1.9	31.2
Conservation and development	10,896	9,507	9,080	9,711	9,260	7,971	14.6	36.7
Manufacturing	125,601	118,014	123,669	108,798	105,042	87,868	6.4	42.9
Total Private Construction¹	1,426,382	1,421,601	1,431,908	1,428,132	1,454,432	1,319,938	0.3	8.1
Residential ²	868,039	872,444	879,682	895,698	927,517	824,006	-0.5	5.3
New single family	394,929	406,684	418,664	432,420	447,305	439,999	-2.9	-10.2
New multifamily	110,155	107,617	105,130	101,376	100,953	99,486	2.4	10.7
Nonresidential	558,344	549,157	552,226	532,434	526,915	495,932	1.7	12.6
Lodging	19,813	19,768	19,573	18,039	17,479	15,235	0.2	30.0
Office	75,204	75,258	75,081	74,777	74,146	73,484	-0.1	2.3
Commercial	116,503	116,530	115,875	114,008	112,005	96,745	0.0	20.4
Health care	42,523	42,501	41,960	42,067	41,855	39,760	0.1	6.9
Educational	19,297	19,185	18,720	18,737	18,719	17,174	0.6	12.4
Religious	2,895	2,781	3,047	3,129	3,111	2,886	4.1	0.3
Amusement and recreation	14,202	14,489	14,091	13,778	13,448	12,844	-2.0	10.6
Transportation	18,592	18,089	17,686	15,963	15,109	15,314	2.8	21.4
Communication	24,637	24,815	24,674	24,422	24,267	24,663	-0.7	-0.1
Power	96,731	95,552	95,918	96,264	99,610	108,712	1.2	-11.0
Manufacturing	125,129	117,456	122,939	108,210	104,324	87,402	6.5	43.2
Total Public Construction³	381,123	381,607	375,590	369,638	363,430	345,254	-0.1	10.4
Residential	9,332	9,339	9,336	9,358	9,447	8,991	-0.1	3.8
Nonresidential	371,791	372,268	366,254	360,280	353,983	336,263	-0.1	10.6
Office	12,756	12,385	12,230	11,864	12,347	12,051	3.0	5.9
Commercial	4,166	4,224	4,224	4,169	4,092	3,537	-1.4	17.8
Health care	11,462	11,552	10,888	11,085	10,786	10,560	-0.8	8.5
Educational	81,295	81,189	79,834	78,548	78,331	80,124	0.1	1.5
Public safety	11,503	11,656	11,368	11,657	11,572	10,441	-1.3	10.2
Amusement and recreation	13,690	13,759	13,635	13,469	12,754	13,351	-0.5	2.5
Transportation	40,800	40,866	40,364	41,002	40,780	40,314	-0.2	1.2
Power	12,338	12,548	9,329	9,722	9,673	10,443	-1.7	18.1
Highway and street	115,020	116,211	116,814	110,540	107,698	100,478	-1.0	14.5
Sewage and waste disposal	32,531	32,425	32,467	32,584	31,738	27,453	0.3	18.5
Water supply	24,365	24,865	24,740	24,787	23,673	18,517	-2.0	31.6
Conservation and development	10,755	9,388	8,938	9,613	9,161	7,891	14.6	36.3

^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, January 3, 2023.
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	Nov 2022 ^p	Oct 2022 ^r	Sep 2022 ^r	Aug 2022	Jul 2022	Nov 2021	Year-to-date		
							Nov 2022	Nov 2021	Percent change
Total Construction	148,329	157,797	162,810	166,768	167,561	138,993	1,657,590	1,499,822	10.5
Residential	70,321	75,695	78,817	83,815	87,892	69,717	849,164	740,645	14.7
Nonresidential	78,008	82,102	83,993	82,953	79,669	69,277	808,427	759,177	6.5
Lodging	1,718	1,710	1,705	1,589	1,509	1,306	16,541	16,948	-2.4
Office	7,341	7,661	7,745	7,585	7,471	7,115	79,273	79,929	-0.8
Commercial	10,234	10,706	10,636	10,507	10,026	8,484	103,800	86,314	20.3
Health care	4,602	4,681	4,643	4,606	4,480	4,278	47,825	44,357	7.8
Educational	7,788	8,261	8,685	9,721	9,842	7,489	90,845	91,365	-0.6
Religious	247	243	268	289	268	246	2,668	2,694	-1.0
Public safety	991	1,019	1,064	1,053	987	885	10,343	11,369	-9.0
Amusement and recreation	2,343	2,484	2,493	2,422	2,285	2,188	24,632	23,236	6.0
Transportation	5,077	5,299	5,301	5,227	4,960	4,757	51,889	52,339	-0.9
Communication	2,263	2,133	2,147	2,118	1,997	2,278	22,004	22,375	-1.7
Power	9,175	9,257	8,998	9,110	9,330	10,099	101,553	111,221	-8.7
Highway and street	9,599	11,974	13,092	12,982	11,833	8,239	102,655	94,630	8.5
Sewage and waste disposal	2,836	3,104	3,106	3,111	2,941	2,375	29,273	25,911	13.0
Water supply	2,097	2,274	2,345	2,378	2,217	1,591	21,202	17,803	19.1
Conservation and development	923	794	931	929	786	668	8,447	7,210	17.2
Manufacturing	10,775	10,504	10,835	9,329	8,739	7,279	95,476	71,478	33.6
Total Private Construction¹	116,947	122,836	126,101	129,298	132,029	110,795	1,321,152	1,176,964	12.3
Residential ²	69,536	74,875	77,949	82,967	87,059	68,959	840,706	732,108	14.8
New single family	34,112	36,366	38,120	39,456	40,452	38,600	414,227	389,858	6.3
New multifamily	9,272	9,220	8,978	8,845	8,404	8,297	94,591	92,898	1.8
Nonresidential	47,411	47,961	48,152	46,331	44,970	41,836	480,445	444,856	8.0
Lodging	1,676	1,668	1,658	1,545	1,465	1,274	16,132	16,322	-1.2
Office	6,269	6,600	6,631	6,516	6,415	6,099	68,069	69,122	-1.5
Commercial	9,866	10,339	10,244	10,140	9,679	8,178	100,282	82,921	20.9
Health care	3,635	3,702	3,659	3,638	3,556	3,392	37,887	35,265	7.4
Educational	1,544	1,578	1,559	1,712	1,710	1,363	17,132	14,729	16.3
Religious	247	243	268	289	268	246	2,668	2,688	-0.7
Amusement and recreation	1,183	1,241	1,227	1,204	1,147	1,070	12,467	11,385	9.5
Transportation	1,649	1,636	1,568	1,388	1,308	1,336	14,513	14,095	3.0
Communication	2,252	2,121	2,137	2,107	1,986	2,257	21,895	22,172	-1.2
Power	8,119	8,132	8,187	8,230	8,504	9,234	92,149	103,479	-10.9
Manufacturing	10,735	10,457	10,774	9,280	8,679	7,241	94,974	71,104	33.6
Total Public Construction³	31,382	34,961	36,709	37,470	35,533	28,198	336,439	322,858	4.2
Residential	785	820	868	848	833	757	8,457	8,536	-0.9
Nonresidential	30,596	34,141	35,841	36,622	34,699	27,441	327,981	314,322	4.3
Office	1,072	1,060	1,113	1,069	1,057	1,015	11,204	10,807	3.7
Commercial	367	367	392	367	346	305	3,518	3,393	3.7
Health care	966	978	984	968	924	885	9,938	9,092	9.3
Educational	6,244	6,683	7,126	8,009	8,132	6,126	73,713	76,636	-3.8
Public safety	975	1,000	1,046	1,032	969	878	10,195	11,278	-9.6
Amusement and recreation	1,161	1,243	1,266	1,217	1,137	1,118	12,166	11,852	2.6
Transportation	3,428	3,663	3,734	3,839	3,652	3,421	37,376	38,244	-2.3
Power	1,056	1,125	811	880	826	865	9,404	7,742	21.5
Highway and street	9,521	11,892	13,018	12,895	11,753	8,192	101,865	94,236	8.1
Sewage and waste disposal	2,769	3,042	3,039	3,037	2,880	2,344	28,685	25,488	12.5
Water supply	2,034	2,205	2,274	2,286	2,132	1,537	20,532	17,213	19.3
Conservation and development	911	784	920	921	778	662	8,365	7,133	17.3

^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.

Source: U.S. Census Bureau, Construction Spending, January 3, 2023.

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	0.4	0.6	0.5	0.8
Residential	5.8	5.3	3.5	1.5	4.2
Nonresidential	0.6	0.4	0.6	0.5	0.8
Lodging	1.6	1.3	2.3	1.1	3.6
Office	1.8	1.5	1.8	0.7	2.0
Commercial	1.2	0.9	1.1	0.6	1.7
Health care	1.2	1.0	1.4	0.6	1.8
Educational	1.7	1.3	1.5	0.8	2.0
Religious	6.2	6.0	5.9	3.1	6.3
Public safety	2.2	1.7	2.1	1.4	3.1
Amusement and recreation	2.4	2.0	2.3	1.5	2.8
Transportation	1.4	0.9	1.0	1.6	2.0
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.3	0.3
Highway and street	2.7	1.5	2.2	2.0	4.4
Sewage and waste disposal	2.6	1.8	2.4	1.3	4.0
Water supply	3.3	2.2	3.3	2.2	4.9
Conservation and development	2.4	1.8	2.3	2.1	3.3
Manufacturing	0.7	0.7	1.1	0.4	1.4
Total Private Construction	0.6	0.5	0.6	0.3	0.8
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.3	8.2	1.7	0.6	2.8
New multifamily	6.9	6.7	4.2	0.8	5.1
Nonresidential	0.6	0.5	0.6	0.3	0.8
Lodging	1.7	1.2	2.3	1.1	3.7
Office	2.1	1.7	2.1	0.8	2.2
Commercial	1.2	0.9	1.2	0.6	1.8
Health care	1.5	1.2	1.7	0.7	2.1
Educational	2.4	1.9	2.9	1.2	3.4
Religious	6.2	6.0	5.9	3.1	6.3
Amusement and recreation	3.3	2.5	3.1	1.4	3.6
Transportation	2.4	2.0	1.7	0.7	3.2
Communication	NA	NA	NA	NA	NA
Power	0.1	0.1	0.1	0.1	0.2
Manufacturing	0.7	0.7	1.1	0.4	1.4
Total Public Construction	1.1	0.7	0.9	0.9	1.6
Residential	5.8	5.3	3.5	1.5	4.2
Nonresidential	1.1	0.7	0.9	0.9	1.6
Office	2.7	2.1	2.3	1.5	3.5
Commercial	5.7	4.5	6.5	2.4	8.1
Health care	1.6	1.3	2.0	1.1	2.5
Educational	1.9	1.5	1.7	0.9	2.3
Public safety	2.2	1.7	2.1	1.4	3.1
Amusement and recreation	3.5	3.1	3.3	2.5	4.4
Transportation	1.5	1.0	1.1	1.8	2.3
Power	4.3	3.6	5.5	3.7	7.5
Highway and street	2.8	1.5	2.2	2.0	4.4
Sewage and waste disposal	2.6	1.8	2.5	1.4	4.0
Water supply	3.3	2.2	3.3	2.2	4.9
Conservation and development	2.3	1.8	2.3	2.1	3.3

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, January 3, 2023. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html