

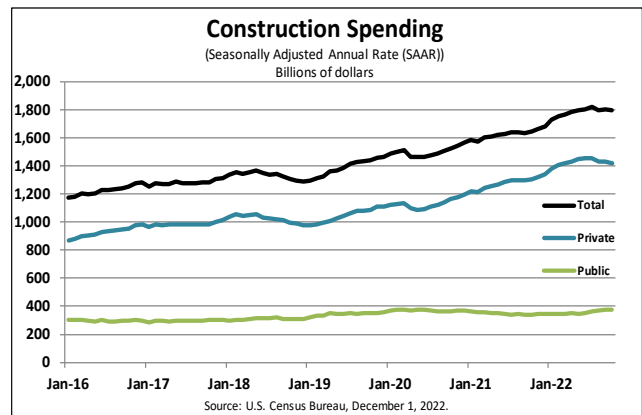
FOR RELEASE AT 10:00 AM EST, THURSDAY, DECEMBER 1, 2022

MONTHLY CONSTRUCTION SPENDING, OCTOBER 2022

Release Number: CB22-192

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

CONSTRUCTION SPENDING	
OCTOBER 2022	\$1,794.9 billion
SEPTEMBER 2022 (revised)	\$1,800.1 billion
Next release: January 3, 2023	
Seasonally Adjusted Annual Rate (SAAR)	
Source: U.S. Census Bureau, December 1, 2022	



Total Construction

Construction spending during October 2022 was estimated at a seasonally adjusted annual rate of \$1,794.9 billion, 0.3 percent (± 1.2 percent)* below the revised September estimate of \$1,800.1 billion. The October figure is 9.2 percent (± 1.5 percent) above the October 2021 estimate of \$1,644.3 billion. During the first ten months of this year, construction spending amounted to \$1,507.8 billion, 10.8 percent (± 1.0 percent) above the \$1,360.8 billion for the same period in 2021.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,420.4 billion, 0.5 percent (± 0.7 percent)* below the revised September estimate of \$1,427.6 billion. Residential construction was at a seasonally adjusted annual rate of \$887.2 billion in October, 0.3 percent (± 1.3 percent)* below the revised September estimate of \$890.0 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$533.2 billion in October, 0.8 percent (± 0.7 percent) below the revised September estimate of \$537.6 billion.

Public Construction

In October, the estimated seasonally adjusted annual rate of public construction spending was \$374.6 billion, 0.6 percent (± 2.0 percent)* above the revised September estimate of \$372.5 billion. Educational construction was at a seasonally adjusted annual rate of \$79.4 billion, 0.5 percent (± 2.0 percent)* above the revised September estimate of \$79.0 billion. Highway construction was at a seasonally adjusted annual rate of \$113.4 billion, 0.8 percent (± 4.9 percent)* below the revised September estimate of \$114.3 billion.

Data Inquiries

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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 November 2022 Monthly Construction Spending Report is scheduled for release on January 3, 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 (\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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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	Oct 2022 ^p	Sep 2022 ^r	Aug 2022 ^r	Jul 2022	Jun 2022	Oct 2021	Percent change Oct 2022 from -	
							Sep 2022	Oct 2021
Total Construction	1,794,949	1,800,105	1,797,771	1,817,862	1,803,791	1,644,332	-0.3	9.2
Residential	896,505	899,328	905,056	936,964	946,828	825,903	-0.3	8.5
Nonresidential	898,444	900,777	892,714	880,897	856,963	818,428	-0.3	9.8
Lodging	19,125	18,882	18,560	18,001	17,829	15,655	1.3	22.2
Office	87,138	86,891	86,641	86,493	85,603	86,352	0.3	0.9
Commercial	117,411	117,924	118,177	116,097	112,999	95,950	-0.4	22.4
Health care	52,410	52,207	53,152	52,641	52,504	48,655	0.4	7.7
Educational	98,218	97,817	97,284	97,050	96,972	93,380	0.4	5.2
Religious	2,835	3,148	3,129	3,111	2,870	2,889	-9.9	-1.9
Public safety	11,736	11,556	11,889	11,771	11,212	10,601	1.6	10.7
Amusement and recreation	28,186	27,475	27,247	26,202	26,183	25,026	2.6	12.6
Transportation	56,597	56,633	56,965	55,889	55,057	55,314	-0.1	2.3
Communication	24,849	24,707	24,555	24,406	24,175	24,777	0.6	0.3
Power	106,758	105,229	105,986	109,283	109,123	118,677	1.5	-10.0
Highway and street	114,273	115,096	111,519	108,569	99,862	102,161	-0.7	11.9
Sewage and waste disposal	32,706	33,061	33,323	32,439	31,630	28,051	-1.1	16.6
Water supply	25,470	25,660	25,778	24,643	24,181	19,140	-0.7	33.1
Conservation and development	9,114	9,040	9,711	9,260	8,949	8,171	0.8	11.5
Manufacturing	111,618	115,451	108,798	105,042	97,816	83,632	-3.3	33.5
Total Private Construction¹	1,420,380	1,427,585	1,428,132	1,454,432	1,451,969	1,303,679	-0.5	9.0
Residential ²	887,224	889,963	895,698	927,517	937,710	816,908	-0.3	8.6
New single family	410,076	420,900	432,420	447,305	469,576	433,480	-2.6	-5.4
New multifamily	102,593	102,024	101,376	100,953	101,293	100,988	0.6	1.6
Nonresidential	533,156	537,622	532,434	526,915	514,258	486,771	-0.8	9.5
Lodging	18,670	18,380	18,039	17,479	17,255	15,287	1.6	22.1
Office	74,993	74,825	74,777	74,146	73,562	74,335	0.2	0.9
Commercial	113,366	113,811	114,008	112,005	109,073	92,632	-0.4	22.4
Health care	40,997	41,251	42,067	41,855	41,720	38,575	-0.6	6.3
Educational	18,801	18,798	18,737	18,719	18,595	16,376	0.0	14.8
Religious	2,835	3,148	3,129	3,111	2,870	2,882	-9.9	-1.6
Amusement and recreation	14,525	13,994	13,778	13,448	13,462	12,529	3.8	15.9
Transportation	15,977	16,079	15,963	15,109	14,523	15,173	-0.6	5.3
Communication	24,723	24,587	24,422	24,267	24,035	24,551	0.6	0.7
Power	94,686	95,403	96,264	99,610	99,691	109,370	-0.8	-13.4
Manufacturing	111,118	114,767	108,210	104,324	97,127	83,201	-3.2	33.6
Total Public Construction³	374,569	372,520	369,638	363,430	351,822	340,652	0.6	10.0
Residential	9,281	9,365	9,358	9,447	9,117	8,995	-0.9	3.2
Nonresidential	365,289	363,155	360,280	353,983	342,705	331,657	0.6	10.1
Office	12,145	12,066	11,864	12,347	12,042	12,017	0.7	1.1
Commercial	4,046	4,113	4,169	4,092	3,926	3,318	-1.6	21.9
Health care	11,413	10,956	11,085	10,786	10,784	10,080	4.2	13.2
Educational	79,417	79,019	78,548	78,331	78,377	77,004	0.5	3.1
Public safety	11,520	11,315	11,657	11,572	11,051	10,509	1.8	9.6
Amusement and recreation	13,661	13,481	13,469	12,754	12,721	12,496	1.3	9.3
Transportation	40,619	40,555	41,002	40,780	40,533	40,140	0.2	1.2
Power	12,072	9,827	9,722	9,673	9,432	9,307	22.8	29.7
Highway and street	113,428	114,304	110,540	107,698	99,097	101,753	-0.8	11.5
Sewage and waste disposal	32,050	32,406	32,584	31,738	30,974	27,504	-1.1	16.5
Water supply	24,830	24,884	24,787	23,673	23,524	18,466	-0.2	34.5
Conservation and development	9,007	8,924	9,613	9,161	8,841	8,032	0.9	12.1

^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, December 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	Oct 2022 ^p	Sep 2022 ^r	Aug 2022 ^r	Jul 2022	Jun 2022	Oct 2021	Year-to-date		
							Oct 2022	Oct 2021	Percent change
Total Construction	157,024	162,117	166,768	167,561	164,499	145,182	1,507,795	1,360,829	10.8
Residential	77,038	79,691	83,815	87,892	86,929	72,920	781,060	670,928	16.4
Nonresidential	79,986	82,425	82,953	79,669	77,570	72,261	726,735	689,901	5.3
Lodging	1,606	1,596	1,589	1,509	1,533	1,304	14,611	15,642	-6.6
Office	7,615	7,703	7,585	7,471	7,499	7,522	71,844	72,814	-1.3
Commercial	10,386	10,442	10,507	10,026	9,911	8,478	93,053	77,831	19.6
Health care	4,523	4,592	4,606	4,480	4,493	4,205	43,014	40,080	7.3
Educational	8,058	8,621	9,721	9,842	9,559	7,666	82,790	83,876	-1.3
Religious	247	278	289	268	245	253	2,435	2,448	-0.5
Public safety	1,004	1,061	1,053	987	988	897	9,334	10,484	-11.0
Amusement and recreation	2,479	2,471	2,422	2,285	2,317	2,196	22,262	21,048	5.8
Transportation	5,089	5,189	5,227	4,960	4,926	4,926	46,489	47,582	-2.3
Communication	2,123	2,139	2,118	1,997	1,983	2,118	19,722	20,097	-1.9
Power	9,162	9,024	9,110	9,330	9,431	10,225	92,309	101,121	-8.7
Highway and street	11,671	12,755	12,982	11,833	10,445	10,175	92,416	86,391	7.0
Sewage and waste disposal	3,058	3,095	3,111	2,941	2,910	2,622	26,381	23,536	12.1
Water supply	2,260	2,357	2,378	2,217	2,216	1,692	19,103	16,212	17.8
Conservation and development	770	938	929	786	740	679	7,508	6,542	14.8
Manufacturing	9,936	10,166	9,329	8,739	8,374	7,303	83,465	64,198	30.0
Total Private Construction¹	122,756	125,780	129,298	132,029	130,627	114,391	1,203,802	1,066,169	12.9
Residential ²	76,222	78,819	82,967	87,059	86,104	72,131	773,387	663,149	16.6
New single family	36,496	38,250	39,456	40,452	41,277	39,143	380,376	351,258	8.3
New multifamily	8,760	8,741	8,845	8,404	8,770	8,615	84,621	84,601	0.0
Nonresidential	46,534	46,961	46,331	44,970	44,523	42,260	430,415	403,020	6.8
Lodging	1,568	1,554	1,545	1,465	1,485	1,273	14,252	15,048	-5.3
Office	6,571	6,602	6,516	6,415	6,412	6,499	61,740	63,023	-2.0
Commercial	10,039	10,058	10,140	9,679	9,569	8,196	89,929	74,743	20.3
Health care	3,559	3,602	3,638	3,556	3,558	3,359	34,051	31,873	6.8
Educational	1,545	1,572	1,712	1,710	1,738	1,339	15,568	13,366	16.5
Religious	247	278	289	268	245	252	2,435	2,443	-0.3
Amusement and recreation	1,245	1,219	1,204	1,147	1,173	1,062	11,280	10,315	9.4
Transportation	1,446	1,435	1,388	1,308	1,278	1,344	12,541	12,759	-1.7
Communication	2,112	2,129	2,107	1,986	1,972	2,099	19,626	19,915	-1.5
Power	8,090	8,171	8,230	8,504	8,555	9,405	83,972	94,245	-10.9
Manufacturing	9,894	10,109	9,280	8,679	8,317	7,267	83,011	63,863	30.0
Total Public Construction³	34,269	36,337	37,470	35,533	33,872	30,791	303,993	294,660	3.2
Residential	816	872	848	833	826	789	7,673	7,779	-1.4
Nonresidential	33,452	35,465	36,622	34,699	33,047	30,002	296,320	286,881	3.3
Office	1,044	1,101	1,069	1,057	1,087	1,023	10,103	9,792	3.2
Commercial	347	384	367	346	343	282	3,124	3,088	1.2
Health care	964	991	968	924	934	846	8,964	8,207	9.2
Educational	6,513	7,049	8,009	8,132	7,821	6,327	67,222	70,510	-4.7
Public safety	986	1,042	1,032	969	972	890	9,203	10,400	-11.5
Amusement and recreation	1,234	1,253	1,217	1,137	1,144	1,134	10,982	10,733	2.3
Transportation	3,643	3,754	3,839	3,652	3,648	3,583	33,948	34,823	-2.5
Power	1,073	853	880	826	876	820	8,338	6,877	21.2
Highway and street	11,597	12,682	12,895	11,753	10,367	10,140	91,714	86,044	6.6
Sewage and waste disposal	3,002	3,032	3,037	2,880	2,847	2,575	25,870	23,144	11.8
Water supply	2,197	2,286	2,286	2,132	2,160	1,627	18,503	15,676	18.0
Conservation and development	761	929	921	778	731	668	7,441	6,471	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, December 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	0.4	0.6	0.7	0.9
Residential	5.9	5.7	3.9	2.0	4.3
Nonresidential	0.6	0.4	0.6	0.7	0.9
Lodging	1.7	1.3	2.2	0.9	3.3
Office	1.9	1.6	1.8	1.3	2.0
Commercial	1.2	0.8	1.2	0.7	1.3
Health care	1.2	1.0	1.5	0.6	1.7
Educational	1.7	1.3	1.6	1.0	1.9
Religious	6.3	6.4	6.4	5.9	6.6
Public safety	2.2	1.7	2.2	1.2	3.1
Amusement and recreation	2.4	2.1	2.4	1.7	2.8
Transportation	1.4	0.9	1.0	1.1	1.5
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.2	0.2	0.3
Highway and street	2.7	1.5	2.2	2.9	4.7
Sewage and waste disposal	2.7	1.9	2.4	2.1	4.3
Water supply	3.3	2.2	3.4	2.6	4.9
Conservation and development	2.4	1.9	2.3	1.9	3.0
Manufacturing	0.8	0.7	1.1	0.3	1.2
Total Private Construction	0.6	0.5	0.6	0.4	0.7
Residential	5.0	1.1	1.3	0.8	1.4
New single family	8.4	8.2	1.7	0.8	2.9
New multifamily	6.7	6.6	4.0	1.0	4.0
Nonresidential	0.6	0.5	0.6	0.4	0.7
Lodging	1.7	1.3	2.2	0.9	3.3
Office	2.1	1.8	2.0	1.5	2.3
Commercial	1.2	0.8	1.2	0.6	1.3
Health care	1.5	1.2	1.8	0.7	1.9
Educational	2.4	2.0	3.1	1.1	3.4
Religious	6.3	6.4	6.4	5.9	6.6
Amusement and recreation	3.3	2.6	3.1	2.0	3.7
Transportation	2.4	2.1	1.6	1.7	2.5
Communication	NA	NA	NA	NA	NA
Power	0.1	0.1	0.1	0.1	0.1
Manufacturing	0.7	0.7	1.1	0.3	1.2
Total Public Construction	1.1	0.7	0.9	1.2	1.7
Residential	5.9	5.7	3.9	2.0	4.3
Nonresidential	1.1	0.7	0.9	1.2	1.7
Office	2.7	2.2	2.4	2.0	3.4
Commercial	5.4	4.9	6.9	7.1	11.6
Health care	1.6	1.4	2.1	0.8	2.7
Educational	1.9	1.5	1.7	1.2	2.1
Public safety	2.2	1.7	2.2	1.2	3.1
Amusement and recreation	3.5	3.2	3.4	2.7	4.3
Transportation	1.5	1.0	1.2	1.2	1.7
Power	4.5	3.9	5.7	2.9	7.3
Highway and street	2.8	1.5	2.2	3.0	4.7
Sewage and waste disposal	2.7	1.9	2.6	2.2	4.3
Water supply	3.3	2.2	3.4	2.7	4.9
Conservation and development	2.4	1.9	2.3	1.9	3.0

NA Not applicable

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