

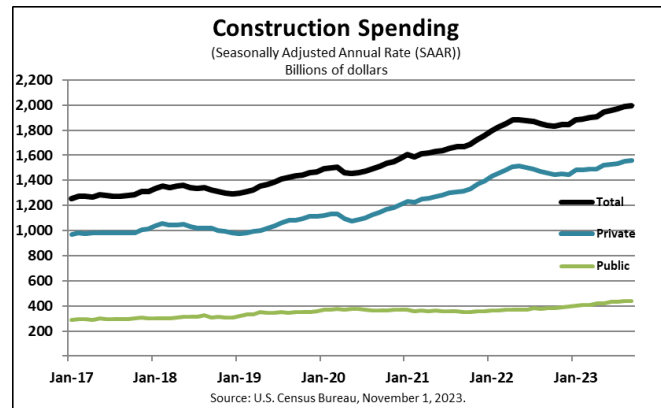
FOR RELEASE AT 10:00 AM EDT, WEDNESDAY, NOVEMBER 1, 2023

MONTHLY CONSTRUCTION SPENDING, SEPTEMBER 2023

Release Number: CB23-183

November 1, 2023 — The U.S. Census Bureau announced the following value put in place construction statistics for September 2023:

 CONSTRUCTION SPENDING	
SEPTEMBER 2023	\$1,996.5 billion
AUGUST 2023 (revised)	\$1,988.3 billion
Next release: December 1, 2023	
Seasonally Adjusted Annual Rate (SAAR)	
Source: U.S. Census Bureau, November 1, 2023	



Total Construction

Construction spending during September 2023 was estimated at a seasonally adjusted annual rate of \$1,996.5 billion, 0.4 percent (± 1.2 percent)* above the revised August estimate of \$1,988.3 billion. The September figure is 8.7 percent (± 1.8 percent) above the September 2022 estimate of \$1,836.9 billion. During the first nine months of this year, construction spending amounted to \$1,463.5 billion, 4.6 percent (± 1.2 percent) above the \$1,398.9 billion for the same period in 2022.

Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,555.9 billion, 0.4 percent (± 0.7 percent)* above the revised August estimate of \$1,549.6 billion. Residential construction was at a seasonally adjusted annual rate of \$872.0 billion in September, 0.6 percent (± 1.3 percent)* above the revised August estimate of \$866.6 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$683.9 billion in September, 0.1 percent (± 0.7 percent)* above the revised August estimate of \$683.0 billion.

Public Construction

In September, the estimated seasonally adjusted annual rate of public construction spending was \$440.6 billion, 0.4 percent (± 2.1 percent)* above the revised August estimate of \$438.7 billion. Educational construction was at a seasonally adjusted annual rate of \$94.4 billion, 1.9 percent (± 2.5 percent)* above the revised August estimate of \$92.7 billion. Highway construction was at a seasonally adjusted annual rate of \$131.1 billion, 0.2 percent (± 5.3 percent)* below the revised August estimate of \$131.4 billion.

Data Inquiries

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U.S. Department of Commerce
U.S. CENSUS BUREAU
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The October 2023 Monthly Construction Spending Report is scheduled for release on December 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 percent (± 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, 0.86 percent; private construction, 0.94 percent; and public construction, 1.18 percent.

Explanations of confidence intervals and sampling variability can be found on our website at <www.census.gov/construction/c30/meth.html/>.

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure avoidance protection of the confidential source data (Disclosure Review Board (DRB) approval number: CBDRB-FY23-0363).

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	Sep 2023 ^p	Aug 2023 ^r	Jul 2023 ^r	Jun 2023	May 2023	Sep 2022	Percent change Sep 2023 from -	
							Aug 2023	Sep 2022
Total Construction	1,996,525	1,988,312	1,969,005	1,956,226	1,946,733	1,836,930	0.4	8.7
Residential	882,325	877,171	865,747	870,655	864,027	900,993	0.6	-2.1
Nonresidential	1,114,201	1,111,141	1,103,258	1,085,571	1,082,705	935,937	0.3	19.0
Lodging	24,266	24,430	24,132	23,520	23,145	21,177	-0.7	14.6
Office	99,937	99,742	99,215	98,346	96,838	91,727	0.2	9.0
Commercial	134,118	133,129	134,614	129,768	127,761	124,415	0.7	7.8
Health care	62,296	62,568	62,282	61,848	61,852	54,079	-0.4	15.2
Educational	118,221	116,109	114,881	112,990	112,404	99,494	1.8	18.8
Religious	3,155	3,233	3,329	3,216	2,998	2,993	-2.4	5.4
Public safety	13,156	13,212	13,340	13,415	13,080	11,364	-0.4	15.8
Amusement and recreation	33,592	33,171	33,179	32,978	31,994	29,221	1.3	15.0
Transportation	64,331	64,562	63,502	64,014	62,987	60,297	-0.4	6.7
Communication	25,252	25,213	24,974	24,527	24,483	24,624	0.2	2.6
Power	123,236	122,080	120,906	117,274	118,003	106,593	0.9	15.6
Highway and street	132,132	132,228	131,712	130,025	129,654	119,677	-0.1	10.4
Sewage and waste disposal	42,127	42,295	41,523	41,591	39,486	33,367	-0.4	26.3
Water supply	27,780	27,870	27,545	27,506	26,204	24,878	-0.3	11.7
Conservation and development	11,678	11,533	10,900	11,585	11,559	9,155	1.3	27.6
Manufacturing	198,926	199,765	197,225	192,970	200,258	122,877	-0.4	61.9
Total Private Construction¹	1,555,904	1,549,574	1,534,185	1,526,503	1,523,977	1,455,530	0.4	6.9
Residential ²	872,038	866,550	855,438	860,888	853,896	891,657	0.6	-2.2
New single family	402,319	397,249	390,679	379,422	371,929	427,625	1.3	-5.9
New multifamily	135,650	135,847	134,484	133,850	130,516	110,911	-0.1	22.3
Nonresidential	683,866	683,024	678,747	665,615	670,081	563,872	0.1	21.3
Lodging	23,979	24,084	23,757	23,202	22,904	20,790	-0.4	15.3
Office	84,484	84,446	84,277	83,961	82,821	78,908	0.0	7.1
Commercial	129,502	128,790	130,251	125,197	123,116	120,032	0.6	7.9
Health care	49,365	49,490	49,752	48,931	49,234	42,939	-0.3	15.0
Educational	23,780	23,441	22,840	22,383	22,454	18,422	1.4	29.1
Religious	3,155	3,233	3,329	3,216	2,998	2,993	-2.4	5.4
Amusement and recreation	16,400	16,119	16,073	15,808	15,290	15,327	1.7	7.0
Transportation	19,513	19,724	19,509	19,431	19,211	18,522	-1.1	5.4
Communication	24,737	24,640	24,461	24,135	24,159	24,449	0.4	1.2
Power	106,493	106,079	104,382	103,678	105,200	96,694	0.4	10.1
Manufacturing	198,453	199,254	196,698	192,447	199,731	122,160	-0.4	62.5
Total Public Construction³	440,622	438,738	434,820	429,723	422,756	381,400	0.4	15.5
Residential	10,286	10,621	10,310	9,767	10,131	9,336	-3.2	10.2
Nonresidential	430,335	428,117	424,511	419,957	412,625	372,065	0.5	15.7
Office	15,453	15,296	14,938	14,386	14,017	12,818	1.0	20.6
Commercial	4,616	4,339	4,363	4,571	4,645	4,384	6.4	5.3
Health care	12,930	13,078	12,529	12,917	12,619	11,140	-1.1	16.1
Educational	94,441	92,668	92,041	90,607	89,951	81,072	1.9	16.5
Public safety	12,897	12,991	13,114	13,167	12,858	11,103	-0.7	16.2
Amusement and recreation	17,192	17,052	17,107	17,169	16,704	13,893	0.8	23.7
Transportation	44,818	44,838	43,994	44,583	43,776	41,775	0.0	7.3
Power	16,743	16,001	16,524	13,595	12,802	9,899	4.6	69.1
Highway and street	131,145	131,402	130,916	129,270	128,856	118,820	-0.2	10.4
Sewage and waste disposal	40,546	40,772	40,238	40,382	38,431	32,693	-0.6	24.0
Water supply	26,649	26,748	26,459	26,525	25,337	24,117	-0.4	10.5
Conservation and development	11,629	11,500	10,874	11,551	11,537	9,072	1.1	28.2

^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, November 1, 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	Sep 2023 ^p	Aug 2023 ^r	Jul 2023 ^r	Jun 2023	May 2023	Sep 2022	Year-to-date		
							Sep 2023	Sep 2022	Percent change
Total Construction	179,389	183,563	180,008	178,192	169,350	165,491	1,463,493	1,398,940	4.6
Residential	78,222	80,954	80,412	80,629	77,120	80,255	655,824	717,088	-8.5
Nonresidential	101,167	102,609	99,596	97,562	92,231	85,236	807,670	681,852	18.5
Lodging	2,042	2,068	2,032	1,991	1,984	1,781	17,556	14,210	23.5
Office	8,815	8,724	8,559	8,560	8,215	8,073	73,276	68,026	7.7
Commercial	11,803	11,715	11,583	11,303	10,784	10,979	97,229	89,082	9.1
Health care	5,381	5,398	5,279	5,336	5,287	4,729	46,100	40,388	14.1
Educational	10,370	11,548	11,550	11,210	9,805	8,730	86,530	77,874	11.1
Religious	280	290	287	278	256	259	2,389	2,258	5.8
Public safety	1,182	1,168	1,134	1,186	1,140	1,030	9,461	8,745	8.2
Amusement and recreation	2,968	2,953	2,908	2,915	2,743	2,603	23,805	22,209	7.2
Transportation	5,923	5,946	5,636	5,706	5,414	5,480	47,282	43,476	8.8
Communication	2,132	2,171	2,037	2,009	2,036	2,127	18,111	17,682	2.4
Power	10,516	10,471	10,330	10,062	9,871	9,102	89,319	82,397	8.4
Highway and street	14,628	15,288	14,471	13,421	11,785	13,239	98,667	85,511	15.4
Sewage and waste disposal	3,893	3,945	3,789	3,825	3,386	3,090	29,957	23,963	25.0
Water supply	2,547	2,572	2,484	2,546	2,316	2,268	19,871	17,383	14.3
Conservation and development	1,179	1,090	919	959	927	941	8,586	6,822	25.9
Manufacturing	17,510	17,263	16,597	16,256	16,282	10,806	139,531	81,828	70.5
Total Private Construction¹	136,673	139,178	137,326	136,788	132,275	128,437	1,142,056	1,117,070	2.2
Residential ²	77,271	79,989	79,495	79,752	76,258	79,391	648,243	709,890	-8.7
New single family	36,803	36,583	35,821	33,714	31,790	38,990	286,880	352,705	-18.7
New multifamily	11,290	11,626	11,050	11,639	11,154	9,346	98,305	80,198	22.6
Nonresidential	59,402	59,189	57,831	57,036	56,017	49,046	493,813	407,180	21.3
Lodging	2,018	2,039	2,001	1,964	1,964	1,749	17,301	13,837	25.0
Office	7,406	7,356	7,276	7,272	6,998	6,916	62,482	58,232	7.3
Commercial	11,376	11,340	11,217	10,903	10,400	10,573	93,812	86,079	9.0
Health care	4,236	4,251	4,219	4,202	4,215	3,718	36,603	31,994	14.4
Educational	1,982	2,121	2,073	2,084	2,017	1,528	17,003	14,250	19.3
Religious	280	290	287	278	256	259	2,389	2,258	5.8
Amusement and recreation	1,397	1,403	1,371	1,356	1,289	1,331	11,621	11,912	-2.4
Transportation	1,730	1,670	1,654	1,678	1,645	1,635	14,172	12,452	13.8
Communication	2,089	2,123	1,995	1,976	2,009	2,112	17,822	17,575	1.4
Power	9,054	9,022	8,882	8,812	8,724	8,247	78,878	75,403	4.6
Manufacturing	17,470	17,221	16,553	16,212	16,238	10,746	139,166	81,407	71.0
Total Public Construction³	42,716	44,385	42,682	41,403	37,075	37,055	321,437	281,870	14.0
Residential	951	965	917	878	861	865	7,580	7,198	5.3
Nonresidential	41,766	43,420	41,765	40,526	36,214	36,190	313,857	274,672	14.3
Office	1,409	1,368	1,283	1,288	1,217	1,157	10,795	9,795	10.2
Commercial	427	375	366	400	384	405	3,417	3,003	13.8
Health care	1,145	1,147	1,060	1,135	1,073	1,011	9,497	8,394	13.1
Educational	8,388	9,427	9,477	9,126	7,788	7,203	69,528	63,623	9.3
Public safety	1,161	1,148	1,114	1,162	1,120	1,010	9,286	8,613	7.8
Amusement and recreation	1,570	1,550	1,538	1,559	1,454	1,273	12,184	10,297	18.3
Transportation	4,193	4,276	3,981	4,028	3,770	3,845	33,109	31,024	6.7
Power	1,462	1,449	1,448	1,250	1,146	855	10,442	6,994	49.3
Highway and street	14,540	15,214	14,399	13,352	11,713	13,164	98,036	84,913	15.5
Sewage and waste disposal	3,750	3,798	3,680	3,708	3,293	3,030	28,949	23,463	23.4
Water supply	2,440	2,462	2,386	2,460	2,240	2,198	19,151	16,866	13.5
Conservation and development	1,175	1,088	917	956	925	935	8,556	6,785	26.1

^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.

Source: U.S. Census Bureau, Construction Spending, November 1, 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	0.5	0.5	0.7	0.7	1.1
Residential	4.1	3.6	5.5	2.5	6.6
Nonresidential	0.5	0.5	0.7	0.7	1.1
Lodging	1.6	1.9	3.1	1.2	3.5
Office	1.4	1.7	2.2	1.1	2.1
Commercial	1.1	1.2	1.4	1.3	1.9
Health care	1.2	1.2	1.5	0.7	1.8
Educational	1.5	1.4	2.1	1.3	2.9
Religious	5.7	4.6	8.3	3.4	10.2
Public safety	2.5	2.7	3.1	2.2	4.4
Amusement and recreation	2.0	1.8	2.5	1.5	3.0
Transportation	1.4	1.1	1.5	1.2	2.6
Communication	NA	NA	NA	NA	NA
Power	0.3	0.4	0.5	0.2	0.7
Highway and street	2.2	1.6	2.5	3.2	4.6
Sewage and waste disposal	2.2	1.9	3.1	2.1	4.2
Water supply	2.7	2.3	3.6	2.8	5.2
Conservation and development	2.1	2.9	3.7	3.3	6.2
Manufacturing	0.8	0.8	1.4	0.5	1.3
Total Private Construction	0.5	0.5	0.7	0.4	0.8
Residential	5.0	1.1	1.3	0.8	1.4
New single family	7.9	8.0	1.1	0.7	1.9
New multifamily	7.9	7.7	3.7	1.6	4.1
Nonresidential	0.5	0.5	0.7	0.4	0.8
Lodging	1.6	1.9	3.1	1.2	3.5
Office	1.6	1.9	2.5	1.2	2.2
Commercial	1.1	1.2	1.4	1.4	1.9
Health care	1.4	1.4	1.8	0.8	2.2
Educational	2.4	2.3	3.2	2.0	4.0
Religious	5.7	4.6	8.3	3.4	10.2
Amusement and recreation	2.6	2.4	2.8	2.0	3.2
Transportation	2.1	2.1	2.8	2.2	3.1
Communication	NA	NA	NA	NA	NA
Power	0.2	0.3	0.3	0.1	0.3
Manufacturing	0.8	0.8	1.4	0.5	1.3
Total Public Construction	0.9	0.8	1.1	1.3	2.0
Residential	4.1	3.6	5.5	2.5	6.6
Nonresidential	1.0	0.8	1.1	1.3	2.0
Office	2.5	2.2	3.2	2.1	4.1
Commercial	7.1	6.2	7.6	6.3	9.4
Health care	1.5	1.5	1.9	1.3	2.5
Educational	1.7	1.6	2.5	1.5	3.4
Public safety	2.5	2.7	3.1	2.2	4.5
Amusement and recreation	3.1	2.6	4.5	2.2	5.4
Transportation	1.6	1.3	1.7	1.4	3.1
Power	3.9	5.7	9.4	3.4	13.0
Highway and street	2.3	1.7	2.6	3.2	4.7
Sewage and waste disposal	2.2	2.0	3.1	2.2	4.3
Water supply	2.8	2.3	3.6	3.0	5.2
Conservation and development	2.1	3.0	3.7	3.3	6.2

NA Not applicable

Source: U.S. Census Bureau, Construction Spending, November 1, 2023. Additional information on the survey methodology may be found at www.census.gov/construction/c30/meth.html