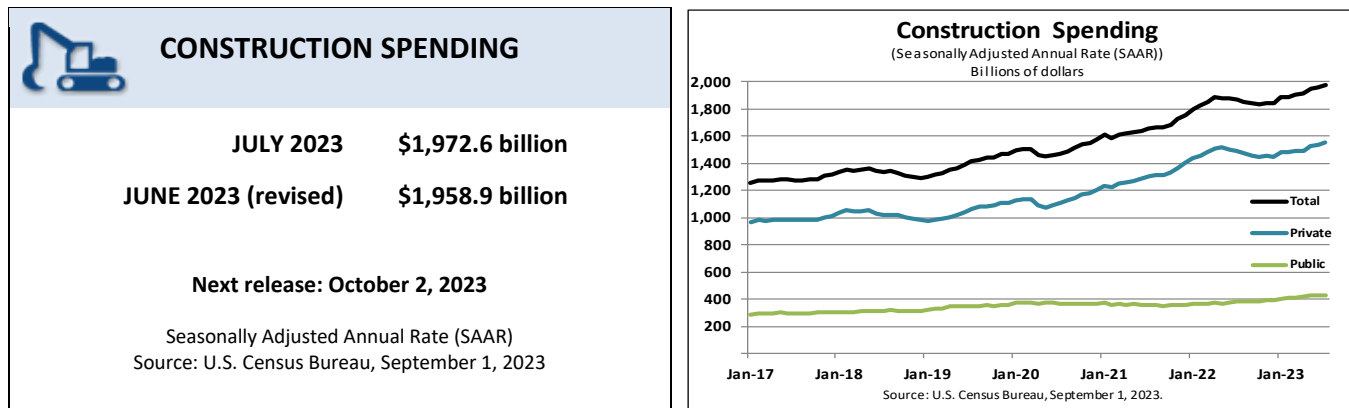


FOR RELEASE AT 10:00 AM EDT, FRIDAY, SEPTEMBER 1, 2023

## MONTHLY CONSTRUCTION SPENDING, JULY 2023

Release Number: CB23-141

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



### Total Construction

Construction spending during July 2023 was estimated at a seasonally adjusted annual rate of \$1,972.6 billion, 0.7 percent ( $\pm 0.5$  percent) above the revised June estimate of \$1,958.9 billion. The July figure is 5.5 percent ( $\pm 1.2$  percent) above the July 2022 estimate of \$1,869.3 billion. During the first seven months of this year, construction spending amounted to \$1,101.5 billion, 3.7 percent ( $\pm 1.0$  percent) above the \$1,062.1 billion for the same period in 2022.

### Private Construction

Spending on private construction was at a seasonally adjusted annual rate of \$1,548.9 billion, 1.0 percent ( $\pm 0.3$  percent) above the revised June estimate of \$1,533.7 billion. Residential construction was at a seasonally adjusted annual rate of \$879.0 billion in July, 1.4 percent ( $\pm 1.3$  percent) above the revised June estimate of \$866.8 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$670.0 billion in July, 0.5 percent ( $\pm 0.3$  percent) above the revised June estimate of \$666.9 billion.

### Public Construction

In July, the estimated seasonally adjusted annual rate of public construction spending was \$423.7 billion, 0.4 percent ( $\pm 1.0$  percent)\* below the revised June estimate of \$425.2 billion. Educational construction was at a seasonally adjusted annual rate of \$89.8 billion, 0.1 percent ( $\pm 1.3$  percent)\* above the revised June estimate of \$89.7 billion. Highway construction was at a seasonally adjusted annual rate of \$128.1 billion, 0.6 percent ( $\pm 2.1$  percent)\* below the revised June estimate of \$128.9 billion.

#### Data Inquiries

Economic Indicator Division, Construction Expenditures Branch  
301-763-1605  
[eid.ceb.customer.service@census.gov](mailto:eid.ceb.customer.service@census.gov)

#### Media Inquiries

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U.S. Department of Commerce  
U.S. CENSUS BUREAU  
[census.gov](https://www.census.gov)

## Notice

The August 2023 Monthly Construction Spending Report is scheduled for release on October 2, 2023. View the full schedule in the Economic Briefing Room: <[www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/)>. The full text and tables for this release can be found at <[www.census.gov/constructionspending/](http://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 ( $\pm 3.1$  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, 0.86 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/](http://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/](http://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	Jul 2023 <sup>p</sup>	Jun 2023 <sup>r</sup>	May 2023 <sup>r</sup>	Apr 2023	Mar 2023	Jul 2022	Percent change Jul 2023 from -	
							Jun 2023	Jul 2022
<b>Total Construction</b>	<b>1,972,608</b>	<b>1,958,945</b>	<b>1,946,733</b>	<b>1,907,837</b>	<b>1,901,401</b>	<b>1,869,262</b>	<b>0.7</b>	<b>5.5</b>
Residential	889,118	876,684	864,027	834,713	856,947	939,588	1.4	-5.4
Nonresidential	1,083,490	1,082,261	1,082,705	1,073,124	1,044,454	929,674	0.1	16.5
Lodging	23,009	23,150	23,145	22,988	22,744	19,337	-0.6	19.0
Office	98,675	98,043	96,838	96,482	94,772	90,059	0.6	9.6
Commercial	128,131	127,325	127,761	128,809	127,474	125,416	0.6	2.2
Health care	60,464	60,978	61,852	62,128	61,749	54,513	-0.8	10.9
Educational	112,150	112,043	112,404	110,685	109,604	101,661	0.1	10.3
Religious	3,090	3,159	2,998	3,021	3,243	3,126	-2.2	-1.2
Public safety	13,241	13,215	13,080	11,946	11,910	12,269	0.2	7.9
Amusement and recreation	32,438	32,573	31,994	31,258	29,764	29,982	-0.4	8.2
Transportation	63,103	63,742	62,987	62,841	61,986	58,220	-1.0	8.4
Communication	24,709	24,464	24,483	24,540	24,554	24,585	1.0	0.5
Power	116,113	115,721	118,003	118,185	117,803	109,478	0.3	6.1
Highway and street	128,726	129,621	129,654	129,324	125,071	115,052	-0.7	11.9
Sewage and waste disposal	39,865	40,379	39,486	38,848	38,707	33,696	-1.3	18.3
Water supply	27,270	27,131	26,204	25,208	25,220	24,799	0.5	10.0
Conservation and development	10,994	11,460	11,559	12,044	12,397	9,520	-4.1	15.5
Manufacturing	201,511	199,258	200,258	194,818	177,457	117,961	1.1	70.8
<b>Total Private Construction<sup>1</sup></b>	<b>1,548,936</b>	<b>1,533,731</b>	<b>1,523,977</b>	<b>1,490,594</b>	<b>1,491,518</b>	<b>1,488,871</b>	<b>1.0</b>	<b>4.0</b>
Residential <sup>2</sup>	878,979	866,805	853,896	824,707	846,865	929,672	1.4	-5.5
New single family	389,862	379,119	371,929	364,887	369,398	459,836	2.8	-15.2
New multifamily	133,378	133,080	130,516	129,034	126,961	107,018	0.2	24.6
Nonresidential	669,958	666,926	670,081	665,887	644,654	559,199	0.5	19.8
Lodging	22,709	22,878	22,904	22,615	22,368	18,786	-0.7	20.9
Office	84,124	83,914	82,821	82,368	81,540	77,016	0.3	9.2
Commercial	123,731	122,806	123,116	123,891	122,705	120,991	0.8	2.3
Health care	47,838	48,346	49,234	49,396	49,247	43,076	-1.1	11.1
Educational	22,309	22,303	22,454	22,150	21,614	18,950	0.0	17.7
Religious	3,090	3,159	2,998	3,021	3,243	3,126	-2.2	-1.2
Amusement and recreation	15,730	15,715	15,290	15,230	14,964	16,181	0.1	-2.8
Transportation	19,467	19,248	19,211	19,029	18,902	17,078	1.1	14.0
Communication	24,344	24,110	24,159	24,211	24,222	24,481	1.0	-0.6
Power	102,904	102,767	105,200	106,094	105,520	99,673	0.1	3.2
Manufacturing	200,988	198,735	199,731	194,403	176,948	117,242	1.1	71.4
<b>Total Public Construction<sup>3</sup></b>	<b>423,672</b>	<b>425,215</b>	<b>422,756</b>	<b>417,243</b>	<b>409,882</b>	<b>380,391</b>	<b>-0.4</b>	<b>11.4</b>
Residential	10,140	9,880	10,131	10,005	10,082	9,916	2.6	2.3
Nonresidential	413,532	415,335	412,625	407,238	399,800	370,475	-0.4	11.6
Office	14,552	14,130	14,017	14,114	13,232	13,043	3.0	11.6
Commercial	4,400	4,518	4,645	4,918	4,769	4,425	-2.6	-0.6
Health care	12,626	12,632	12,619	12,732	12,502	11,437	0.0	10.4
Educational	89,841	89,741	89,951	88,535	87,990	82,711	0.1	8.6
Public safety	13,030	12,979	12,858	11,693	11,698	12,032	0.4	8.3
Amusement and recreation	16,708	16,859	16,704	16,028	14,800	13,801	-0.9	21.1
Transportation	43,637	44,494	43,776	43,812	43,085	41,142	-1.9	6.1
Power	13,210	12,953	12,802	12,091	12,283	9,805	2.0	34.7
Highway and street	128,139	128,918	128,856	128,495	124,295	114,282	-0.6	12.1
Sewage and waste disposal	38,872	39,340	38,431	37,320	37,284	32,935	-1.2	18.0
Water supply	26,378	26,196	25,337	24,381	24,294	24,045	0.7	9.7
Conservation and development	10,953	11,428	11,537	12,000	12,352	9,444	-4.2	16.0

<sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>1</sup>Includes the following categories of private construction not shown separately:  
public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

<sup>2</sup>Includes private residential improvements.

<sup>3</sup>Includes 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, September 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](http://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	Jul 2023 <sup>p</sup>	Jun 2023 <sup>r</sup>	May 2023 <sup>r</sup>	Apr 2023	Mar 2023	Jul 2022	Year-to-date		
							Jul 2023	Jul 2022	Percent change
<b>Total Construction</b>	<b>180,538</b>	<b>178,601</b>	<b>169,350</b>	<b>156,269</b>	<b>150,245</b>	<b>171,673</b>	<b>1,101,480</b>	<b>1,062,116</b>	<b>3.7</b>
Residential	83,098	81,361	77,120	70,142	69,495	87,737	500,065	551,606	-9.3
Nonresidential	97,440	97,239	92,231	86,127	80,750	83,936	601,415	510,510	17.8
Lodging	1,931	1,958	1,984	1,968	1,915	1,629	13,313	10,699	24.4
Office	8,499	8,526	8,215	7,988	7,721	7,756	55,643	51,955	7.1
Commercial	10,984	11,053	10,784	10,610	10,204	10,800	72,863	67,163	8.5
Health care	5,113	5,257	5,287	5,147	5,027	4,619	35,075	30,927	13.4
Educational	11,225	11,090	9,805	8,857	8,250	10,199	64,168	59,283	8.2
Religious	265	273	256	250	263	268	1,792	1,726	3.8
Public safety	1,124	1,168	1,140	976	955	1,026	7,084	6,692	5.9
Amusement and recreation	2,841	2,882	2,743	2,568	2,348	2,611	17,784	16,942	5.0
Transportation	5,568	5,678	5,414	5,036	4,694	5,138	35,316	32,641	8.2
Communication	2,018	2,005	2,036	1,986	2,065	1,992	13,785	13,457	2.4
Power	9,905	9,928	9,871	9,711	9,548	9,326	67,773	64,125	5.7
Highway and street	14,025	13,404	11,785	9,366	7,398	12,494	68,288	58,810	16.1
Sewage and waste disposal	3,627	3,710	3,386	3,129	2,917	3,058	21,842	17,726	23.2
Water supply	2,458	2,501	2,316	2,045	1,907	2,219	14,680	12,821	14.5
Conservation and development	925	948	927	883	1,015	804	6,312	4,953	27.4
Manufacturing	16,934	16,858	16,282	15,607	14,524	10,000	105,697	60,591	74.4
<b>Total Private Construction<sup>1</sup></b>	<b>139,153</b>	<b>137,638</b>	<b>132,275</b>	<b>123,873</b>	<b>121,104</b>	<b>134,602</b>	<b>868,882</b>	<b>855,571</b>	<b>1.6</b>
Residential <sup>2</sup>	82,197	80,469	76,258	69,323	68,712	86,861	494,402	546,134	-9.5
New single family	35,624	33,592	31,790	30,192	29,601	41,803	213,175	273,103	-21.9
New multifamily	10,901	11,488	11,154	10,884	10,538	8,773	75,091	61,579	21.9
Nonresidential	56,956	57,169	56,017	54,550	52,392	47,740	374,481	309,438	21.0
Lodging	1,906	1,936	1,964	1,937	1,884	1,583	13,122	10,392	26.3
Office	7,245	7,262	6,998	6,841	6,655	6,645	47,678	44,448	7.3
Commercial	10,614	10,660	10,400	10,217	9,815	10,425	70,250	64,945	8.2
Health care	4,037	4,149	4,215	4,116	4,006	3,642	27,882	24,550	13.6
Educational	2,025	2,079	2,017	1,857	1,760	1,719	12,847	11,069	16.1
Religious	265	273	256	250	263	268	1,792	1,726	3.8
Amusement and recreation	1,342	1,352	1,289	1,252	1,213	1,374	8,788	9,201	-4.5
Transportation	1,647	1,658	1,645	1,545	1,390	1,451	10,744	9,355	14.8
Communication	1,987	1,976	2,009	1,958	2,038	1,983	13,602	13,375	1.7
Power	8,759	8,740	8,724	8,721	8,633	8,480	60,606	58,804	3.1
Manufacturing	16,890	16,814	16,238	15,573	14,481	9,940	105,414	60,279	74.9
<b>Total Public Construction<sup>3</sup></b>	<b>41,385</b>	<b>40,963</b>	<b>37,075</b>	<b>32,395</b>	<b>29,141</b>	<b>37,071</b>	<b>232,598</b>	<b>206,545</b>	<b>12.6</b>
Residential	900	893	861	819	783	876	5,663	5,472	3.5
Nonresidential	40,484	40,070	36,214	31,577	28,358	36,196	226,935	201,073	12.9
Office	1,254	1,265	1,217	1,147	1,066	1,110	7,965	7,507	6.1
Commercial	370	393	384	393	388	375	2,613	2,218	17.8
Health care	1,075	1,107	1,073	1,031	1,020	977	7,193	6,377	12.8
Educational	9,200	9,012	7,788	6,999	6,490	8,481	51,322	48,214	6.4
Public safety	1,106	1,146	1,120	955	938	1,004	6,952	6,601	5.3
Amusement and recreation	1,499	1,530	1,454	1,316	1,135	1,237	8,996	7,741	16.2
Transportation	3,921	4,020	3,770	3,492	3,305	3,687	24,572	23,286	5.5
Power	1,146	1,188	1,146	991	915	846	7,167	5,321	34.7
Highway and street	13,973	13,340	11,713	9,299	7,337	12,423	67,844	58,370	16.2
Sewage and waste disposal	3,542	3,610	3,293	3,004	2,809	2,993	21,165	17,358	21.9
Water supply	2,378	2,419	2,240	1,977	1,842	2,152	14,200	12,451	14.0
Conservation and development	922	946	925	880	1,011	798	6,288	4,930	27.5

<sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>1</sup>Includes the following categories of private construction not shown separately:  
public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

<sup>2</sup>Includes private residential improvements.

<sup>3</sup>Includes the following categories of public construction not shown separately:  
lodging, religious, communication, and manufacturing.

Source: U.S. Census Bureau, Construction Spending, September 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](http://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
<b>Total Construction</b>	<b>0.5</b>	<b>0.3</b>	<b>0.6</b>	<b>0.3</b>	<b>0.7</b>
Residential	4.4	3.2	4.7	2.0	4.9
Nonresidential	0.5	0.3	0.6	0.3	0.7
Lodging	1.5	1.3	2.5	0.5	2.9
Office	1.4	1.1	1.7	0.4	1.6
Commercial	1.0	0.6	1.0	0.4	1.0
Health care	1.1	0.9	1.3	0.5	1.3
Educational	1.4	1.0	1.7	0.7	2.0
Religious	5.7	3.4	7.3	1.9	9.6
Public safety	2.3	2.3	2.4	0.9	3.0
Amusement and recreation	2.0	1.4	2.3	0.8	2.5
Transportation	1.3	0.9	1.2	0.6	1.7
Communication	NA	NA	NA	NA	NA
Power	0.3	0.2	0.3	0.2	0.4
Highway and street	2.2	1.0	2.2	1.3	3.2
Sewage and waste disposal	2.2	1.5	2.9	1.6	3.6
Water supply	2.7	2.0	3.3	1.6	3.9
Conservation and development	1.8	1.4	2.4	1.2	3.1
Manufacturing	0.7	0.6	1.3	0.2	1.1
<b>Total Private Construction</b>	<b>0.5</b>	<b>0.3</b>	<b>0.6</b>	<b>0.2</b>	<b>0.6</b>
Residential	5.0	1.1	1.3	0.8	1.4
New single family	7.8	7.7	1.4	1.0	1.6
New multifamily	7.8	7.8	3.7	1.2	4.7
Nonresidential	0.5	0.3	0.6	0.2	0.6
Lodging	1.5	1.3	2.5	0.5	2.9
Office	1.6	1.2	1.9	0.4	1.7
Commercial	1.0	0.6	1.0	0.4	1.0
Health care	1.4	1.1	1.5	0.6	1.6
Educational	2.2	1.5	2.5	1.2	2.4
Religious	5.7	3.4	7.3	1.9	9.6
Amusement and recreation	2.7	1.7	2.3	0.9	2.2
Transportation	2.0	1.4	1.8	0.5	2.0
Communication	NA	NA	NA	NA	NA
Power	0.2	0.2	0.2	0.2	0.2
Manufacturing	0.7	0.6	1.2	0.2	1.1
<b>Total Public Construction</b>	<b>0.9</b>	<b>0.5</b>	<b>1.0</b>	<b>0.6</b>	<b>1.4</b>
Residential	4.4	3.2	4.7	2.0	4.9
Nonresidential	0.9	0.5	1.0	0.6	1.4
Office	2.4	1.7	3.0	0.9	3.6
Commercial	7.3	6.5	7.8	2.3	6.0
Health care	1.5	1.0	1.5	0.7	2.0
Educational	1.7	1.2	2.1	0.8	2.4
Public safety	2.4	2.3	2.4	0.9	3.0
Amusement and recreation	3.1	2.3	4.3	1.3	5.0
Transportation	1.5	1.1	1.4	0.7	2.0
Power	3.5	2.6	6.0	1.8	7.7
Highway and street	2.2	1.0	2.2	1.3	3.2
Sewage and waste disposal	2.2	1.5	3.0	1.6	3.7
Water supply	2.8	2.0	3.3	1.6	4.0
Conservation and development	1.8	1.4	2.4	1.2	3.1

NA Not applicable

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