U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

For Release at 10:00 A.M. EDT, Monday, June 2, 2008

Michael Davis, Linnet Holland, or John Tremblay (301) 763-1605

CB08-84

APRIL 2008 CONSTRUCTION AT \$1,120.9 BILLION ANNUAL RATE

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during April 2008 was estimated at a seasonally adjusted annual rate of 1,120.9 billion, 0.4 percent (1.3%)* below the revised March estimate of 1,125.8 billion. The April figure is 3.9 percent (1.9%) below the April 2007 estimate of 1,166.2 billion.

During the first 4 months of this year, construction spending amounted to \$331.6 billion, 2.8 percent ($\pm 1.8\%$) below the \$341.2 billion for the same period in 2007.

PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$823.8 billion, 0.5 percent $(\pm 1.1\%)$ * below the revised March estimate of \$827.7 billion. Residential construction was at a seasonally adjusted annual rate of \$435.8 billion in April, 2.3 percent $(\pm 1.3\%)$ below the revised March estimate of \$445.8 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$388.0 billion in April, 1.6 percent $(\pm 1.1\%)$ above the revised March estimate of \$381.8 billion.

PUBLIC CONSTRUCTION

In April, the estimated seasonally adjusted annual rate of public construction spending was \$297.1 billion, 0.3 percent ($\pm 2.1\%$)* below the revised March estimate of \$298.1 billion. Educational construction was at a seasonally adjusted annual rate of \$84.6 billion, 0.3 percent ($\pm 2.7\%$)* below the revised March estimate of \$84.9 billion. Highway construction was at a seasonally adjusted annual rate of \$80.1 billion, 0.1 percent ($\pm 7.7\%$)* above the revised March estimate of \$80.1 billion.

May 2008 data will be released on July 1, 2008 at 10:00 A.M. EDT. For more detailed data and methodologies, go to our website: 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 (\pm 3.1) percent above" appears in the text, this indicates the range (-0.8 to +5.4 percent) in which the actual percent 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; 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, 0.5 percent; private construction, 0.6 percent; and public construction, 0.7 percent.

Effective with the May 2008 release on July 1, expenditures on private residential improvements to rental, vacant, and seasonal properties will not be included in the construction spending data. To allow comparable time series analysis, these expenditures will also be removed from our historic data back to January 1993. The construction spending estimate will continue to include expenditures on residential improvements to owner-occupied structures. In addition, seasonally adjusted federal construction will revise back to 1996.

^{* 90%} confidence interval includes zero. The U.S. Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

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 | | Mar 2008 ^r | Feb 2008 ^r | Jan 2008 | Dec 2007 | Apr 2007 | Percent change Apr 2008 from - | |
|---|--------------------------|--------------------------|--------------------------|-------------|-------------|-------------|-----------------------------------|-------------|
| | Apr 2008 ^p | | | | | | Mar 2008 | Apr 2007 |
| Total Construction | 1,120,885 | 1,125,773 | 1,132,312 | 1,132,368 | 1,136,603 | 1,166,171 | -0.4 | -3.9 |
| Residential | 442,568 | 452,289 | 466,430 | 472,686 | 477,076 | 558,467 | -2.1 | -20.8 |
| Nonresidential | 678,317 | 673,484 | 665,883 | 659,681 | 659,527 | 607,704 | 0.7 | 11.6 |
| Lodging | 38,458 | 36,140 | 34,472 | 32,780 | 32,690 | 27,124 | 6.4 | 41.8 |
| Office | 72,142 | 71,975 | 70,362 | 69,545 | 67,851 | 61,823 | 0.2 | 16.7 |
| Commercial | 85,532 | 83,996 | 85,708 | 84,329 | 83,547 | 85,678 | 1.8 | -0.2 |
| Health care | 47,406 | 46,963 | 46,400 | 45,422 | 45,438 | 44,325 | 0.9 | 7.0 |
| Educational | 103,118 | 103,234 | 102,407 | 102,500 | 102,823 | 94,355 | -0.1 | 9.3 |
| Religious | 7,046 | 6,886 | 6,939 | 6,974 | 7,010 | 7,614 | 2.3 | -7.5 |
| Public safety | 11,795 | 11,722 | 11,312 | 11,227 | 10,872 | 9,261 | 0.6 | 27.4 |
| Amusement and recreation | 21,557 | 21,948 | 21,535 | 21,564 | 21,649 | 19,473 | -1.8 | 10.7 |
| Transportation | 34,252 | 33,857 | 33,352 | 33,314 | 32,773 | 28,338 | 1.2 | 20.9 |
| Communication | 27,393 | 29,124 | 27,170 | 27,460 | 28,998 | 24,507 | -5.9 | 11.8 |
| Power | 57,542 | 56,826 | 56,170 | 55,876 | 57,245 | 46,991 | 1.3 | 22.5 |
| Highway and street | 80,304 | 80,302 | 79,494 | 78,219 | 78,294 | 76,685 | 0.0 | 4.7 |
| Sewage and waste disposal | 25,251 | 25,417 | 25,056 | 25,205 | 25,153 | 23,802 | -0.7 | 6.1 |
| Water supply | 14,845 | 14,860 | 14,806 | 13,992 | 13,791 | 16,006 | -0.1 | -7.3 |
| Conservation and development | 5,490 | 5,704 | 5,482 | 5,641 | 5,921 | 4,974 | -3.8 | 10.4 |
| Manufacturing | 46,186 | 44,532 | 45,219 | 45,634 | 45,472 | 36,748 | 3.7 | 25.7 |
| Total Private Construction ¹ | 823,798 | 827,669 | 837,244 | 839,115 | 844,027 | 888,025 | -0.5 | -7.2 |
| Residential | 435,790 | 445,842 | 459,778 | 465,873 | 470,246 | 551,730 | -2.3 | -21.0 |
| Nonresidential | 388,009 | 381,828 | 377,466 | 373,242 | 373,781 | 336,295 | 1.6 | 15.4 |
| Lodging | 38,101 | 35,395 | 33,659 | 31,826 | 31,778 | 26,203 | 7.6 | 45.4 |
| Office | 60,748 | 60,460 | 58,890 | 58,712 | 57,540 | 52,813 | 0.5 | 15.0 |
| Commercial | 82,555 | 81,007 | 82,505 | 81,317 | 80,321 | 82,311 | 1.9 | 0.3 |
| Health care | 38,717 | 38,489 | 38,075 | 37,079 | 37,158 | 36,473 | 0.6 | 6.2 |
| Educational | 18,477 | 18,298 | 18,049 | 18,164 | 17,856 | 15,479 | 1.0 | 19.4 |
| Religious | 7,037 | 6,871 | 6,934 | 6,918 | 7,010 | 7,614 | 2.4 | -7.6 |
| Amusement and recreation | 10,467 | 10,795 | 10,815 | 10,657 | 10,901 | 8,507 | -3.0 | 23.0 |
| Transportation | 9,580 | 9,407 | 9,302 | 9,168 | 8,937 | 8,234 | 1.8 | 16.3 |
| Communication | 27,153 | 28,854 | 27,067 | 27,384 | 28,899 | 24,462 | -5.9 | 11.0 |
| Power | 47,480 | 46,164 | 45,300 | 44,696 | 46,283 | 35,679 | 2.9 | 33.1 |
| Manufacturing | 45,697 | 44,114 | 44,722 | 45,152 | 45,100 | 36,491 | 3.6 | 25.2 |
| Total Public Construction ² | 297,087 | 298,104 | 295,068 | 293,252 | 292,576 | 278,146 | -0.3 | 6.8 |
| Residential | 6,779 | 6,447 | 6,652 | 6,813 | 6,830 | 6,737 | 5.1 | 0.6 |
| Nonresidential | 290,308 | 291,656 | 288,416 | 286,439 | 285,746 | 271,408 | -0.5 | 7.0 |
| Office | 11,394 | 11,514 | 11,472 | 10,834 | 10,311 | 9,011 | -1.0 | 26.4 |
| Commercial | 2,977 | 2,988 | 3,204 | 3,012 | 3,227 | 3,367 | -0.4 | -11.6 |
| Health care | 8,689 | 8,475 | 8,325 | 8,343 | 8,280 | 7,852 | 2.5 | 10.7 |
| Educational | 84,641 | 84,936 | 84,358 | 84,336 | 84,967 | 78,876 | -0.3 | 7.3 |
| Public safety | 11,226 | 11,129 | 10,679 | 10,614 | 10,329 | 8,792 | 0.9 | 27.7 |
| Amusement and recreation | 11,090 | 11,153 | 10,719 | 10,907 | 10,748 | 10,966 | -0.6 | 1.1 |
| Transportation | 24,672 | 24,451 | 24,050 | 24,145 | 23,835 | 20,104 | 0.9 | 22.7 |
| Power | 10,062 | 10,662 | 10,870 | 11,179 | 10,962 | 11,311 | -5.6 | -11.0 |
| Highway and street | 80,139 | 80,088 | 79,128 | 77,700 | 77,793 | 76,185 | 0.1 | 5.2 |
| Sewage and waste disposal | 24,735 | 25,039 | 24,728 | 24,945 | 24,775 | 23,335 | -1.2 | 6.0 |
| Water supply | 14,148 | 14,131 | 14,062 | 13,286 | 13,265 | 15,557 | 0.1 | -9.1 |
| Conservation and development | 5,440 | 5,644 | 5,404 | 5,569 | 5,870 | 4,830 | -3.6 | 12.6 |

^p Preliminary ^r Revised

¹ 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.

² Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

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.)

| | | | | | | | Year-to-date | | |
|---|--------------------------|--------------------------|--------------------------|----------------|----------------|----------------|------------------|------------------|----------------|
| Type of Construction | Apr 2008 ^p | Mar 2008 ^r | Feb 2008 ^r | Jan 2008 | Dec 2007 | Apr 2007 | Apr 2008 | Apr 2007 | Percent change |
| Total Construction | 90,137 | 84,716 | 78,059 | 78,680 | 86,723 | 93,773 | 331,592 | 341,166 | -2.8 |
| Residential | 35,432 | 33,850 | 30,086 | 31,410 | 35,556 | 44,979 | 130,778 | 163,361 | -19.9 |
| Nonresidential | 54,705 | 50,866 | 47,973 | 47,270 | 51,166 | 48,794 | 200,815 | 177,806 | 12.9 |
| Lodging | 3,205 | 3,012 | 2,873 | 2,732 | 2,724 | 2,260 | 11,821 | 8,091 | 46.1 |
| Office | 6,181 | 5,771 | 5,617 | 5,285 | 5,294 | 5,307 | 22,854 | 20,052 | 14.0 |
| Commercial | 6,960 | 6,564 | 6,420 | 6,231 | 6,459 | 7,041 | 26,174 | 25,835 | 1.3 |
| Health care | 3,977 | 3,841 | 3,635 | 3,585 | 3,654 | 3,687 | 15,038 | 14,063 | 6.9 |
| Educational | 8,054 | 7,538 | 7,029 | 7,240 | 7,664 | 7,396 | 29,862 | 26,844 | 11.2 |
| Religious | 566 | 534 | 517 | 519 | 556 | 612 | 2,137 | 2,371 | -9.9 |
| Public safety | 961 | 907 | 838 | 858 | 895 | 756 | 3,564 | 2,774 | 28.5 |
| Amusement and recreation | 1,772 | 1,696 | 1,600 | 1,588 | 1,719 | 1,632 | 6,656 | 5,905 | 12.7 |
| Transportation | 2,755 | 2,470 | 2,288 | 2,335 | 2,627 | 2,292 | 9,848 | 8,293 | 18.8 |
| Communication | 2,216 | 2,307 | 2,057 | 2,002 | 2,594 | 1,933 | 8,583 | 7,476 | 14.8 |
| Power | 4,852 | 4,473 | 4,444 | 4,372 | 4,615 | 3,833 | 18,141 | 14,069 | 28.9 |
| Highway and street | 5,818 | 4,725 | 4,011 | 3,881 | 4,902 | 5,542 | 18,436 | 17,666 | 4.4 |
| Sewage and waste disposal | 1,992 | 1,867 | 1,740 | 1,759 | 1,925 | 1,852 | 7,358 | 6,969 | 5.6 |
| Water supply | 1,226 | 1,152 | 1,099 | 1,019 | 1,067 | 1,322 | 4,495 | 4,802 | -6.4 |
| Conservation and development Manufacturing | 416 3,755 | 435 3,574 | 406 3,399 | 449 3,416 | 491 3,980 | 381 2,949 | 1,705 14,144 | 1,610 10,988 | 5.9 28.7 |
| Manufacturing | 3,733 | 3,374 | 3,399 | 3,410 | 3,960 | 2,949 | 14,144 | 10,900 | 20.1 |
| Total Private Construction ¹ | 67,021 | 63,800 | 58,850 | 59,401 | 65,355 | 72,082 | 249,072 | 264,629 | -5.9 |
| Residential | 34,878 | 33,346 | 29,585 | 30,911 | 35,010 | 44,414 | 128,720 | 161,321 | -20.2 |
| Nonresidential | 32,143 | 30,454 | 29,265 | 28,491 | 30,345 | 27,668 | 120,352 | 103,308 | 16.5 |
| Lodging | 3,175 | 2,950 | 2,805 | 2,652 | 2,648 | 2,184 | 11,582 | 7,824 | 48.0 |
| Office | 5,233 | 4,868 | 4,740 | 4,459 | 4,484 | 4,555 | 19,300 | 17,193 | 12.3 |
| Commercial | 6,720 | 6,325 | 6,182 | 6,005 | 6,195 | 6,753 | 25,232 | 24,671 | 2.3 |
| Health care | 3,231 | 3,146 | 2,975 | 2,921 | 2,986 | 3,016 | 12,273 | 11,621 | 5.6 |
| Educational | 1,540 | 1,416 | 1,316 | 1,337 | 1,358 | 1,282 | 5,609 | 4,693 | 19.5 |
| Religious | 566 | 533 | 517 | 515 | 556 | 612 | 2,130 | 2,369 | -10.1 |
| Amusement and recreation | 874 | 881 | 858 | 831 | 879 | 724 | 3,444 | 2,819 | 22.2 |
| Transportation | 789 | 702 | 654 | 683 | 737 | 689 | 2,828 | 2,502 | 13.0 |
| Communication | 2,196 | 2,285 | 2,049 | 1,996 3,563 | 2,586 | 1,929 | 8,525 | 7,455 | 14.4 |
| Power Manufacturing | 3,948 3,714 | 3,666 3,539 | 3,663 3,358 | 3,376 | 3,815 3,949 | 2,839 2,928 | 14,841 13,987 | 10,760 10,911 | 37.9 28.2 |
| Total Public Construction ² | 23,117 | 20,916 | 19,209 | 19,279 | 21,367 | 21,691 | 82,520 | 76,537 | 7.8 |
| Residential | 554 | 504 | 500 | 499 | 547 | 565 | 2,058 | 2,040 | 0.9 |
| | | | | | | | | 74,497 | |
| Nonresidential Office | 22,562 | 20,412 | 18,709 | 18,780 | 20,821 | 21,126 | 80,463 | | 8.0 |
| Commercial | 948 240 | 903 239 | 878 238 | 826 226 | 810 264 | 752 288 | 3,554 943 | 2,860 1,164 | 24.3 -19.0 |
| Health care | 746 | 695 | 660 | 664 | 668 | 671 | 2,765 | 2,442 | 13.2 |
| Educational | 6,515 | 6,122 | 5,713 | 5,904 | 6,306 | 6,114 | 24,253 | 22,151 | 9.5 |
| Public safety | 913 | 861 | 793 | 813 | 852 | 716 | 3,380 | 2,644 | 27.8 |
| Amusement and recreation | 898 | 815 | 742 | 756 | 840 | 908 | 3,212 | 3,086 | 4.1 |
| Transportation | 1,966 | 1,768 | 1,634 | 1,652 | 1,890 | 1,603 | 7,020 | 5,791 | 21.2 |
| Power | 904 | 807 | 781 | 809 | 800 | 994 | 3,301 | 3,308 | -0.2 |
| Highway and street | 5,806 | 4,713 | 3,986 | 3,842 | 4,866 | 5,504 | 18,347 | 17,540 | 4.6 |
| Sewage and waste disposal | 1,952 | 1,841 | 1,717 | 1,740 | 1,891 | 1,817 | 7,250 | 6,872 | 5.5 |
| Water supply | 1,171 | 1,099 | 1,049 | 974 | 1,031 | 1,287 | 4,294 | 4,702 | -8.7 |
| Conservation and development | 411 | 430 | 400 | 443 | 487 | 369 | 1,684 | 1,571 | 7.2 |

^p Preliminary ^r Revised

¹ 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.

 $^{^{\}rm 2}$ Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

 $\label{thm:condition} \mbox{Table 3. Coefficients of Variation and Standard Errors by Type of Construction} \ \ \mbox{(Percent)}$

| Type of Construction | Coefficient of v | /ariation | 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 | 0.9 | 0.7 | 1.1 | 0.8 | 1.2 | |
| Residential | 4.6 | 3.5 | 6.8 | 3.0 | 8.4 | |
| Nonresidential | 0.9 | 0.7 | 1.1 | 0.8 | 1.2 | |
| Lodging | 2.1 | 1.9 | 3.1 | 1.0 | 3.3 | |
| Office | 2.4 | 2.7 | 3.7 | 1.3 | 4.0 | |
| Commercial | 3.1 | 2.4 | 3.0 | 1.8 | 2.6 | |
| Health care | 1.9 | 1.7 | 2.4 | 1.3 | 2.6 | |
| Educational | 2.1 | 1.8 | 2.7 | 1.5 | 2.8 | |
| Religious | 4.6 | 3.7 | 4.2 | 4.7 | 5.2 | |
| Public safety | 3.2 | 2.8 | 5.2 | 2.7 | 5.4 | |
| Amusement and recreation | 4.0 | 3.1 | 4.1 | 2.4 | 4.0 | |
| Transportation | 2.6 | 2.2 | 3.4 | 2.1 | 4.0 | |
| Communication | NA 1.0 | NA 4.7 | NA 4.6 | NA | NA 0.0 | |
| Power | 1.2 3.4 | 1.7 2.9 | 1.6 4.0 | 1.1 4.8 | 2.6 5.2 | |
| Highway and street Sewage and waste disposal | 3.4 | 3.0 | 3.9 | 2.6 | 4.5 | |
| Water supply | 4.1 | 3.3 | 4.8 | 4.1 | 5.8 | |
| Conservation and development | 5.1 | 4.8 | 6.9 | 4.6 | 5.9 | |
| Manufacturing | 2.0 | 1.8 | 2.7 | 1.5 | 2.7 | |
| Total Private Construction | 1.2 | 1.0 | 1.5 | 0.7 | 1.4 | |
| Residential | 5.0 | 1.1 | 1.3 | 0.8 | 1.4 | |
| Nonresidential | 4.0 | 1.0 | 1.5 | 0.7 | 1.4 | |
| Nonresidential Lodging | 1.2 2.2 | 1.0 1.9 | 1.5 3.2 | 0.7 1.0 | 3.4 | |
| Office | 2.8 | 3.1 | 3.9 | 1.5 | 4.3 | |
| Commercial | 3.2 | 2.5 | 3.1 | 1.9 | 2.7 | |
| Health care | 2.3 | 2.0 | 2.8 | 1.6 | 3.1 | |
| Educational | 3.5 | 3.0 | 4.8 | 2.1 | 5.2 | |
| Religious | 4.6 | 3.7 | 4.2 | 4.7 | 5.2 | |
| Amusement and recreation | 4.6 | 4.4 | 5.8 | 2.7 | 5.2 | |
| Transportation | 5.9 | 4.5 | 9.1 | 2.2 | 12.3 | |
| Communication | NA | NA | NA | NA | NA | |
| Power | 0.9 | 1.5 | 1.2 | 0.7 | 2.8 | |
| Manufacturing | 1.8 | 1.8 | 2.7 | 1.5 | 2.7 | |
| Total Public Construction | 1.3 | 1.1 | 1.6 | 1.3 | 1.9 | |
| Residential | 4.6 | 3.5 | 6.9 | 3.0 | 8.4 | |
| Nonresidential | 1.3 | 1.1 | 1.6 | 1.4 | 1.9 | |
| Office | 4.4 | 5.8 | 7.7 | 2.6 | 7.8 | |
| Commercial | 6.2 | 5.0 | 7.0 | 2.9 | 7.1 | |
| Health care | 2.8 | 2.6 | 3.8 | 1.9 | 4.0 | |
| Educational | 2.4 | 2.1 | 3.0 | 1.7 | 3.2 | |
| Public safety | 3.4 | 2.9 | 5.4 | 2.8 | 5.7 | |
| Amusement and recreation | 5.8 | 4.2 | 5.8 | 3.9 | 6.0 | |
| Transportation | 2.8 | 2.3 | 3.6 | 2.3 | 4.2 | |
| Power | 6.7 | 9.4 | 6.2 | 8.4 | 7.4 | |
| Highway and street | 3.5 | 2.9 | 4.0 | 4.8 | 5.2 | |
| Sewage and waste disposal | 3.3 | 3.0 | 3.9 | 2.5 | 4.5 | |
| Water supply | 4.2 | 3.4 | 4.8 | 4.3 | 5.8 | |
| Conservation and development | 5.0 | 4.8 | 7.0 | 4.7 | 6.0 | |

NA Not applicable