

Technical Note
Gross Domestic Product
First Quarter of 2005 (Advance)
April 28, 2005

This technical note provides background information about the source data and estimating methods used to produce the estimates presented in the GDP news release. The complete set of estimates for the first quarter is available on BEA's Web site at www.bea.gov; a brief summary of "highlights" is also posted on the Web site. In a few weeks, the estimates will be published in BEA's monthly journal, the *Survey of Current Business*, along with a more detailed analysis of the estimates ("The Business Situation").

Source Data for the Advance Estimate

The advance GDP estimate for the first quarter of 2005 is based on source data that are incomplete and subject to revision. Three months of source data were available for consumer spending on goods; shipments of capital equipment other than aircraft; motor vehicle sales and inventories; manufacturing durables inventories; federal government outlays; and consumer, producer, and international prices. Only two months of data were available for most other key data sources; BEA's assumptions for the third month are shown in table A. Among those assumptions are the following:

- C an increase in nondurable manufacturing inventories,
- C an increase in non-motor-vehicle merchant wholesale and retail inventories,
- C an increase in exports of goods, excluding gold, and a somewhat larger increase in imports of goods, excluding gold, resulting in a deterioration in the trade balance.

Estimates of consumer spending for goods and of inventory investment reflected Census retail sales and retail and wholesale inventories data that were benchmarked to the annual retail and wholesale trade surveys. These data were incorporated on a best-change basis.

Prices

The price index for gross domestic purchases increased 3.0 percent in the first quarter after increasing 2.9 percent in the fourth. Excluding food and energy prices, the price index for gross domestic purchases increased 3.1 percent after increasing 2.0 percent. About 0.2 percentage point of the first-quarter increase in the index was accounted for by the pay raise for federal civilian and military personnel, which is treated as an increase in the price of employee services purchased by the federal government.

Brent R. Moulton
Associate Director for National Economic Accounts
Bureau of Economic Analysis
(202) 606-9606

Table A. KEY ASSUMPTIONS FOR THE ADVANCE ESTIMATE OF GDP
FOR THE FIRST QUARTER OF 2005

For many of the key series used to prepare the advance estimate of GDP, including retail sales, unit automobile and truck sales and inventories, manufacturers' shipments of nondefense capital goods (other than aircraft), manufacturers' inventories of durable goods, federal defense spending, and consumer, producer, and international price indexes, actual data are available for all months of the quarter.

For the key series shown in this table, actual data for the third month of the quarter usually are not available in time for inclusion in the advance GDP estimate. BEA makes assumptions for the source data that are not yet available; assumptions for March 2005 are shown in the last column of the table. For most series shown, the data for February are preliminary and subject to further revision. Occasionally, the data for earlier months are also subject to revision.

All series shown in the table are in billions of dollars, seasonally adjusted at annual rates, and are published by the Bureau of the Census.

	Oct.	2004 Nov.	Dec.	Jan.	2005 Feb.	Mar.*
Private fixed investment:						
Nonresidential structures:						
1 Value of new total private construction put in place less residential (inc. improvements).....	228.0	227.9	228.5	231.5	228.7	230.1
Equipment and software:						
2 Manufacturers' shipments of complete aircraft.....	29.9	20.6	30.7	27.2	19.3	26.2
Residential structures:						
Value of new residential construction put in place:						
3 Single family.....	380.3	381.4	386.1	390.2	395.9	394.6
4 Multifamily.....	39.0	40.6	41.3	41.9	41.8	41.6
Change in private inventories:						
5 Change in inventories for nondurable manufacturing.....	23.1	23.9	-3.0	29.8	12.1	23.2
5a Change in inventories for merchant wholesale and retail industries other than motor vehicles and equipment...	63.6	80.1	54.1	58.8	40.9	66.3
Net exports:						
Exports of goods:						
6 U.S. exports of goods, international-transactions-accounts basis.....	831.8	817.3	853.6	853.3	854.1	867.0
6a Excluding gold.....	826.6	812.7	848.6	847.5	849.8	862.8
Imports of goods:						
7 U.S. imports of goods, international-transactions-accounts basis.....	1554.3	1579.0	1571.9	1602.9	1630.9	1648.7
7a Excluding gold.....	1549.4	1575.0	1566.4	1599.3	1627.1	1645.0
8 Net exports of goods.....	-722.5	-761.7	-718.3	-749.6	-776.8	-781.7
8a Excluding gold.....	-722.7	-762.2	-717.8	-751.9	-777.2	-782.2
Government:						
State and local:						
Structures:						
9 Value of new construction put in place.....	215.9	218.3	217.9	220.4	222.5	221.4

*Assumption.