

Table 821. Federal Outlays for General Science, Space, and Other Technology, 1970 to 2010, and Projections, 2011 and 2012

[In billions of dollars (4.5 represents \$4,500,000,000). For fiscal years ending in year shown; see text, Section 8]

| Year | Current dollars | | | Constant (2005) dollars | | |
|-------------------------|-----------------|--------------------------------|------------------------------|-------------------------|--------------------------------|------------------------------|
| | Total | General science/basic research | Space and other technologies | Total | General science/basic research | Space and other technologies |
| | | | | | | |
| 1970..... | 4.5 | 0.9 | 3.6 | 22.7 | 4.8 | 17.9 |
| 1980..... | 5.8 | 1.4 | 4.5 | 13.5 | 3.2 | 10.3 |
| 1985..... | 8.6 | 2.0 | 6.6 | 14.7 | 3.4 | 11.3 |
| 1990..... | 14.4 | 2.8 | 11.6 | 21.1 | 4.1 | 17.0 |
| 1995 ¹ | 16.7 | 4.1 | 12.6 | 20.9 | 5.1 | 15.8 |
| 2000..... | 18.6 | 6.2 | 12.4 | 21.2 | 7.0 | 14.2 |
| 2001..... | 19.8 | 6.5 | 13.2 | 22.0 | 7.3 | 14.7 |
| 2002..... | 20.7 | 7.3 | 13.5 | 22.7 | 7.9 | 14.7 |
| 2003..... | 20.8 | 8.0 | 12.9 | 22.2 | 8.5 | 13.7 |
| 2004..... | 23.0 | 8.4 | 14.6 | 23.9 | 8.7 | 15.2 |
| 2005..... | 23.6 | 8.8 | 14.8 | 23.6 | 8.8 | 14.8 |
| 2006..... | 23.6 | 9.1 | 14.5 | 22.8 | 8.8 | 14.0 |
| 2007..... | 25.5 | 10.3 | 15.3 | 24.0 | 9.6 | 14.3 |
| 2008..... | 27.7 | 10.5 | 17.2 | 25.1 | 9.5 | 15.6 |
| 2009..... | 29.4 | 11.1 | 18.4 | 26.6 | 10.0 | 16.6 |
| 2010..... | 31.0 | 12.7 | 18.4 | 27.5 | 11.2 | 16.3 |
| 2011, proj..... | 33.4 | 14.7 | 17.1 | 29.2 | 12.9 | 14.9 |
| 2012, proj..... | 32.3 | 14.9 | 17.4 | 27.8 | 12.8 | 15.0 |

¹ Due to the effects of the Credit Reform Act of 1990 on the measurement and classification of federal credit activities, the discretionary outlays for years prior to 1995 are not strictly comparable to those for 1995 and after. However, the discretionary outlays shown for 1995 are no more than \$1 billion higher than they would have been if measured on the same (pre-credit reform) basis as the 1990 outlays.

Source: U.S. Office of Management and Budget, *Budget of the United States Government: Historical Tables, Fiscal Year 2012*, annual. See also <<http://www.gpoaccess.gov/usbudget/fy12/hist.html>>.

Table 822. Worldwide Space Launch Events: 2000 to 2010

[In millions of dollars (2,729 represents \$2,729,000,000)]

| Country | Non-commercial launches | | | | Commercial launches | | | | Launch revenues for commercial launch events (mil. dol.) | | | |
|--------------------------|-------------------------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|--|--------------|--------------|--------------|
| | 2000 | 2005 | 2009 | 2010 | 2000 | 2005 | 2009 | 2010 | 2000 | 2005 | 2009 | 2010 |
| Total..... | 50 | 37 | 54 | 51 | 35 | 18 | 24 | 23 | 2,729 | 1,190 | 2,410 | 2,453 |
| United States..... | 21 | 11 | 20 | 11 | 7 | 1 | 4 | 4 | 370 | 70 | 298 | 307 |
| Russia..... | 23 | 18 | 19 | 18 | 13 | 8 | 10 | 13 | 671 | 350 | 742 | 826 |
| Europe..... | — | — | 2 | 0 | 12 | 5 | 5 | 6 | 1,433 | 490 | 1,020 | 1,320 |
| China ¹ | 5 | 5 | 5 | 15 | — | — | 1 | — | (X) | (X) | 70 | (X) |
| India..... | — | 1 | 2 | 3 | — | — | — | — | (X) | (X) | (X) | (X) |
| Japan..... | 1 | 2 | 3 | 2 | — | — | — | — | (X) | (X) | (X) | (X) |
| Israel..... | — | — | — | 1 | — | — | — | — | (X) | (X) | (X) | (X) |
| Ukraine..... | — | — | — | — | — | — | — | — | (X) | (X) | (X) | (X) |
| Iran..... | — | — | 1 | — | — | — | — | — | (X) | (X) | (X) | (X) |
| Brazil..... | — | — | — | — | — | — | — | — | (X) | (X) | (X) | (X) |
| Korea, North..... | — | — | 1 | — | — | — | — | — | (X) | (X) | (X) | (X) |
| Korea, South..... | — | — | 1 | 1 | — | — | — | — | (X) | (X) | (X) | (X) |
| Multinational..... | — | — | — | — | 3 | 4 | 4 | — | 255 | 280 | 280 | (X) |

— Represents zero. X Not applicable. ¹ See footnote 4, Table 1332.

Source: Federal Aviation Administration, *Commercial Space Transportation: 2010 Year in Review*, January 2011, and prior years. See also <http://www.faa.gov/about/office_org/headquarters_offices/ast/reports_studies/year_review>.