

2008 FEDERAL R&D BUDGET HIGHLIGHTS

- In President Bush's 2008 Budget, total Federal R&D funding is a record \$142.7 billion, an increase of \$5.5 billion over the 2007 Budget and a 56% increase compared to 2001's \$91.3 billion.
- With the 2008 Budget, real growth in outlays for the conduct of non-defense R&D is 26% under this Administration, compared to 11% for the previous eight years.
- Non-defense R&D budget authority is estimated to be 13.9% of the total non-defense discretionary budget in 2008, compared to 13.4% in 2007 and 13.1% in 2006.
- Reinforcing the President's commitment to the American Competitiveness Initiative, which seeks to double investment in key civilian Federal science agencies (NSF, DoE Office of Science, NIST core) that support basic research in the physical sciences and engineering, the 2008 Budget calls for a 7.2% increase (+\$764 million) on top of 2007's 9.3% requested increase, bringing two-year total new investment to \$2.6 billion.
- Funding for basic research is \$28.4 billion in 2008, up from \$21.3 billion in 2001 - a 33% increase.
- NSF is increased 6.8% (+\$409 million) request-to-request to \$6.43 billion in 2008 and by more than 45% since 2001.
- DoE's Office of Science is increased 7.2% (+\$296 million) request-to-request to \$4.4 billion in 2008 and by more than 37% since 2001.
- National Institute of Standards and Technology (NIST) "core" intramural research and facilities are increased 11% (+\$59 million) request-to-request to \$594 million in 2008 and by more than 71% since 2001.

- The 2008 Budget includes \$1.43 billion for DoD basic research, marginally higher than requested in FY 2007 and 11% more than 2001.
- At \$3.1 billion in the President's 2008 Budget, the cumulative investment in Networking and Information Technology R&D goes over the \$17 billion mark during the seven years of this Administration
- Since 2001, nanotechnology R&D has increased 212% percent, to \$1.45 billion in 2008. The total investment since the National Nanotechnology Initiative was established in 2001 is over \$8.3 billion.
- The 2008 Budget includes \$2.7 billion for the Advanced Energy Initiative, a 26% increase over the President's 2007 request and almost \$1 billion more than the 2006 investment.
- 2008 hydrogen energy research, embodied in the President's Hydrogen Fuel Initiative, is \$309 million – which completes President Bush's five-year, \$1.2 billion commitment announced in his 2003 State of the Union address.
- 2008 funding for NIH is increased by \$431 million from the 2007 request to \$28.7 billion, an increase of \$8.3 billion or 41% since 2001.
- 2008 funding for NASA is increased 3.1% overall from the 2007 request. This includes \$5.52 billion for earth and space science, almost a third of NASA's total budget.
- President Bush's 2008 Budget provides \$80 million in new funding to advance ocean science and research in the National Oceanic and Atmospheric Administration, NSF, and the U.S. Geological Survey.