



## ***Legislative Briefing***

### **KEEP NASA INTACT**

#### ***A Modest Budget for Space Produces Enduring Improvements on Earth***

- ***NASA claims only a fraction of the federal government's budget and has never diverted resources from national defense of human services programs.***
- - ✓ Since the 1970s, total NASA funding has claimed less than one percent of the federal budget, or less than one penny for every dollar spent. Full funding of the new space exploration vision would still retain this modest level – totaling 0.7% of the federal budget today.
  - ✓ During the Apollo program years, with a growing commitment of forces to an overseas conflict and expanding social welfare programs, NASA still accounted for just four percent of the federal budget.
  - ✓ While NASA represents far less than one percent of the federal budget, anti-poverty programs and national defense each total about 16 percent.
- ***For such a small taxpayer investment, space exploration technologies have transformed health care, environmental protection, transportation, and public safety. Examples include:***
  - ✓ Lighter, multi-layered semiconductors to increase the power and reduce the size of commercial computers and medical imaging devices.
  - ✓ Automobile and machine tool structural safety testing techniques originally used for spacecraft.
  - ✓ Advanced air quality monitors for industrial smokestack emissions developed from NASA Shuttle emissions software.
  - ✓ Water purification monitors derived from instruments for space life support.
  - ✓ Fire-resistant materials for HAZMAT crews and furniture first incorporated into spacesuits.
  - ✓ Skin burn and breast cancer treatments, as well as laser-directed angioplasties, adapted from NASA solar cell and ultrasound research.
  - ✓ Low-noise, low-emission aircraft engines that rely on space propulsion systems.