

*UNIVERSITY OF NEW HAMPSHIRE
OFFICE OF SPONSORED RESEARCH
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Durham, New Hampshire 03824*

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Dear Colleagues and Other UNH Supporters,

Fiscal year 2006 was another exceptional one for University of New Hampshire sponsored programs. Awards from competitive proposals grew by 18.4% to \$128,270,352 from \$108,335,557 in the prior fiscal year. Hearty congratulations and thanks to all researchers and other sponsored programs directors responsible for writing successful proposals, and to all administrative staff who support UNH's vibrant sponsored programs activities!

Highlights for FY06

Federal sponsorship of UNH activities grew by nearly 18% during fiscal year 2006. The **U.S. Department of Commerce (DOC)** remained UNH's largest sponsor, increasing its support by 31.7% (\$12 million) to \$49.9 million (39% of the \$128 million total) for numerous programs including the following ongoing DOC National Oceanic and Atmospheric Administration (NOAA) programs:

- Joint Hydrographic Center (JHC) / Center for Coastal and Ocean Mapping (CCOM)
- Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET)
- Northeast Consortium (cooperative research projects involving commercial fishermen and vessels)
- Center for Coastal Ocean Observation and Analysis (COOA)
- Atmospheric Investigations of Regional Models of Prediction (AIRMAP)
- Measuring Wind Profiles from Space
- Cooperative Institute for Northeast Mariculture (CINEMar)
- Center for Large Pelagics
- Coastal Response Research Center (CRRC)
- Targeted Wind Sensing Program
- New Hampshire Sea Grant
- Great Bay National Estuarine Research Reserve Monitoring

The additional \$12 million in DOC funding to UNH in our FY06 is attributed to \$3 million more for JHC, \$2.3 million more for COOA, \$1.4 million in one-time funding for UNH's Northeast Center for Atmospheric Science & Policy, \$3.9 million for a four-year Joint (NOAA-UNH) Center for Ocean Observing Technology, \$936,000 in one-time funds for the UNH Earth Systems Observatory to assess coastal ecosystem impacts through a white-water-to-blue-water continuum, and about \$1 million from DOC's US Patent and Trademark Office for a pilot project to perfect security interests in intellectual property rights.

The **National Aeronautics and Space Administration (NASA)** regained its position as UNH's second-largest sponsor, up \$1.8 million (18.9%) from FY05, to \$11 million. Most of the NASA funding supported projects in UNH's Institute for the Study of Earth, Oceans, and Space (EOS), including the following, with large increases for the NH Space Grant Consortium and the studies of carbon nitrogen and water cycles:

- Studies of carbon nitrogen and water cycles
- STEREO in situ magnetic fields, ions, and composition investigations
- Cluster Electron Drift Instrument (EDI)

- NH Space Grant Consortium

The **National Science Foundation (NSF)** was UNH's third-largest sponsor, with \$8.7 million in FY06. NSF provided funding for two UNH Leitzel Center projects: "Watershed Watch," a cooperative project with Elizabeth City State University, to monitor the Merrimack and Pasquotank river drainage basins as a Science, Technology, Engineering, and Mathematics undergraduate student recruitment and retention tool; and a project called "Partnership for Research Opportunities to Benefit Education." Also, NSF made a prestigious CAREER award to a UNH history department junior faculty member, adding to the six CAREER awards garnered by UNH faculty over the previous five years.

The **U.S. Department of Justice (DOJ)** provided \$8.64 million in FY06, a 12.6% increase over FY05, with major continuing support for the UNH Center for Research on Crimes Against Children and CATLAB – Consolidated Advanced Technologies for Law Enforcement. A new DOJ grant was received in FY06 for developing detection systems for cyber crimes in NH. Funding from the **U.S. Department of Health and Human Services (DHHS)** continued for UNH's Institute on Disability (the University Center for Excellence), as well as for numerous individual faculty research projects to benefit the nation's health.

Funding from the **U.S. Department of Transportation (DOT)** grew 208.5% to \$3 million with \$1.8 million in new funding for UNH's alternative fuel bus acquisitions and the Wildcat Transit system, as well as continued support for UNH's Recycled Materials Resource Center. **U.S. Department of Education** funding to UNH dropped by 50% over FY05 to \$2.2 million, with continued support of our four TRIO programs (McNair Graduate Opportunities, Student Support Services Program, Upward Bound, and Talent Search) but a decline in support for individual research and demonstration projects.

Total support from **NH state agencies** increased by 68.1% to \$8.4 million. The largest increases were realized from the **NH Department of Transportation** with an influx for the UNH Technology Transfer Center (research and application projects for improved materials for NH roads, bridges, and transportation safety) and new funds for a crash report electronic management system and for UNH's non-transit fleet. New biennium funding for the NH Industrial Research Center and the NH Small Business Development Center accounted for the biennial increase from the **NH Department of Resources and Economic Development**.

Awards from **the business and industry sector** and subawards from **other universities and colleges** remained fairly constant from FY05 to FY06. However, awards from **non-profits** increased again this year by 45.4% to \$9.3 million. Several sponsors provided support for UNH's Carsey Institute, which specializes in developing programs and advising policy makers about issues for rural families and communities. The Davis Educational Foundation has funded a program for UNH's first-year students – the Discovery Program – to equip them with critical thinking and communication skills, as well as a mechanism to assess student learning outcomes.

Details on all FY06 project awards and expenditures are found in the pages that follow. Please contact me at the above address, k.cataneo@unh.edu, or by telephone at (603) 862-2001 if you have questions or comments about this report.

With best regards,

Kathryn B. Cataneo
Executive Director of Sponsored Research