

September 20, 2005

Dear Colleagues,

University of New Hampshire researchers and other sponsored programs directors experienced a stellar year in fiscal year 2005, exceeding the \$100 million mark for the first time! Awards from competitive proposals grew by 15.2% to \$108,335,557 from \$94,066,804 in total awards in fiscal year 2004. Congratulations and thanks to all responsible for writing successful proposals.

Highlights for FY05

Federal sponsorship of UNH activities grew by 11% during fiscal year 2005. The **U.S. Department of Commerce** (DOC) remained UNH's largest sponsor, growing another 32% to \$37.9 million, (35% of the total), supporting these ongoing major programs:

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

The **National Science Foundation** (NSF) moved back to the position as UNH's second-largest sponsor, growing 15.8% over FY04 to \$9.9 million. During FY05, NSF continued major support for the UNH Leitzel Center for Math, Science, and Engineering Education, and provided funds for a major equipment grant for an MRI Isotope Ratio Mass Spectrometer. Also, during FY05, NSF conferred EPSCoR status on New Hampshire and funded a \$200K planning grant to UNH. EPSCoR, NSF's Experimental Program to Stimulate Competitive Research, provides support to U.S. states and jurisdictions with traditionally lower NSF funding than other states receive. EPSCoR funds individual research projects, workshops on successful proposal preparation, and infrastructure support for the State's science and technology needs.

The **National Aeronautics and Space Administration** (NASA) was our third-largest sponsor, with \$9.25 million, down 10.6% from FY04. Most of the NASA funding supported projects in UNH's Institute for the Study of Earth, Oceans, and Space (EOS), including the following:

- NH Space Grant Consortium
- STEREO in situ magnetic fields, ions, and composition investigations

- Cluster Electron Drift Instrument (EDI)
- Large scale ecological biosphere/atmosphere research in Amazonia.

The **U.S. Department of Justice (DOJ)** provided \$7.67 million in FY05, a 64.2% increase over FY04, with major continuing support for the UNH Center for Research on Crimes Against Children, and for CATLAB – Consolidated Advanced Technologies for Law Enforcement. A new DOJ grant was received in FY05 for a Public Safety Management program, a collaborative effort between UNH’s Research Computing Center and Keene State College. **U.S. Department of Education** funding to UNH grew 5% over FY04 to \$4.37 million, with continued support of our four TRIO programs (McNair Graduate Opportunities, Student Support Services Program, Upward Bound, and Talent Search) as well as numerous projects for UNH’s Institute on Disability and UNH’s School for Health & Human Services programs. Funding from the **U.S. Department of Health and Human Services (DHHS)** decreased 24.9% to \$4 million. DHHS funded major projects for UNH’s Institute on Disability (Home Care Connections and the University Center for Excellence) and for the New Hampshire Institute for Health Policy and Practice (Aging and Disability Resources). In addition, a UNH physics department faculty member received a direct Small Business Innovation Research grant to support his continued research in and commercialization of novel health applications for polarized xenon gas production.

Total support from **NH state agencies** declined by 36.1% to \$5.0 million. The **NH Department of Health & Human Services** remained the largest state sponsor of UNH’s activities, providing key support for the UNH Institute on Disability, the NH Institute for Health Policy and Practice, Cooperative Extension, and for an environmental public health assessment program in New Hampshire and a zoonotic disease epidemiologist, all of which in turn translate to highly valuable services of direct import to New Hampshire citizens.

The UNH Office of the Vice President for Research and Public Service strategic plan to expand support from the commercial and non-profit sectors continues to be successful. Awards **from business and industry increased 82.1% to \$10.9 million and 102.1% to \$6.8 million from non-profits.**

Details on all projects funded in FY05 are to be found in the pages that follow. Please contact me at the above address, by e-mail: 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