

THIS BOOKLET PROVIDES IMPORTANT QUANTITATIVE DIMENSIONS OF PENN STATE RESEARCH FOR FISCAL 2012, AND OFFERS A FEW COMPARISONS WITH PREVIOUS YEARS TO REVEAL LONGER-TERM TRENDS.

For example, you will see the steady upward trend in the University's total R&D expenditures an increase of 48 percent over the past decade, and a solid indication that our faculty are successfully proposing path-breaking research and development initiatives to federal, state, and private-sector sponsors.

In the subcategory of federal dollars in support of research, the trend is even more dramatic: \$507 million in federal support in fiscal 2012, an increase of 80 percent in the last ten years.

Industry-sponsored funding increased to \$110 million in fiscal 2012. That we continue to experience increases in both federal and private-sector funding reflects Penn State's ability to compete with our peers in attracting research support, and the enviable reputation that the University has earned among various funding sources.

You will also see that seven of our academic colleges, along with the Applied Research Laboratory, each report annual research expenditures greater than \$30 million. Those numbers indicate the University's research portfolio is balanced across academic disciplines. And because we have a balanced portfolio, we have successfully implemented an interdisciplinary approach to much of our research and creative work. In fact, collaboration across traditional disciplines and the "invention" of new ways to approach old problems is perhaps our greatest institutional strength.

Research informs our graduate education—now in its 150th year at Penn State—and makes the quality of that learning experience second to none. We continue to attract advanced-degree candidates from all over the world. Research is an integral part of who we are at Penn State, and what we do.

Henry C. Foley
Vice President for Research

and Dean of the Graduate School

To learn more about Penn State research, visit research.psu.edu

Henry C. "Hand" Fly



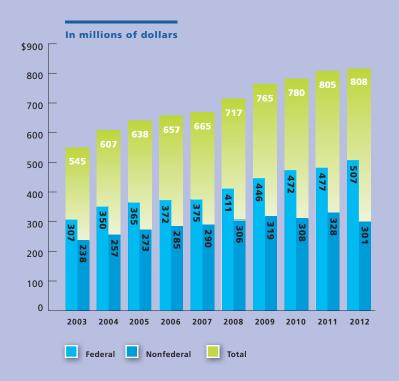
Total Research Expenditures, 2003–2012

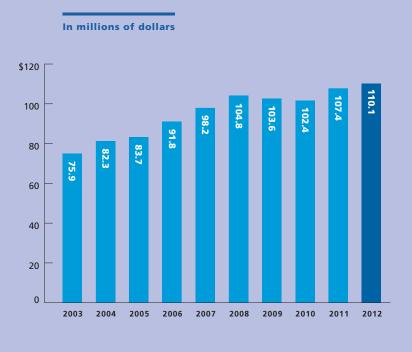
(Federal and Nonfederal)

Expenditures totaled an all-time high of \$808 million, with federal support leading the way at \$507 million.

Research sponsored by industry, private foundations, and related sources, 2003–2012

Penn State has long ranked among the nation's top universities in industry-sponsored research, and typically partners with more than 400 companies annually.





Expenditures from Federal Agencies

1 Department of Defense \$177,051,000

2 Department of Health and Human Services \$132,235,000

3 National Science Foundation \$62,283,000

4 DOE \$37,842,000

5 USDA \$24,014,000

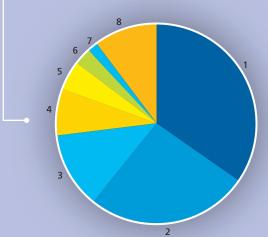
6 NASA \$14,901,000

7 Education \$7,484,000

8 Other \$51,888,000

Transportation \$7,000,000 Commerce \$4,345,000 Interior \$1,507,000 EPA \$1,074,000 Other Federal \$37,692,000

Total \$507,428,000



Expenditures by Performing Unit

1 Defense-Related Research Units \$182,938,000

Applied Research Lab \$160,000,000 Electro-Optics Center \$22,938,000

2 Engineering \$129,671,000

3 Agricultural Sciences \$102,504,000

4 Medicine \$98,703,000

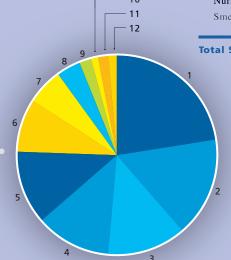
5 Eberly College of Science \$97,209,000

6 Earth and Mineral Sciences \$69,621,000

7 Health and Human Development \$46,833,000

8 Liberal Arts \$31.877.000

9 Education \$16,468,000



10 Information Sciences and Technology \$8,864,000

11 Other \$13,564,000

Altoona College \$1,306,000

Behrend College \$3,921,000

Berks College \$205,000

Capital College \$3,166,000

Great Valley \$179,000

Penn College \$1,850,000

Other Commonwealth Campuses

\$2,726,000

International Programs \$211,000

12 Other Schools and Colleges \$9,250,000

Arts and Architecture \$1,063,000

Communications \$306,000

Dickinson School of Law \$498,000

Nursing \$2,823,000

Smeal College of Business \$4,560,000

Total \$807,502,000

Sources of Research Funding

1 Federal \$507,428,000

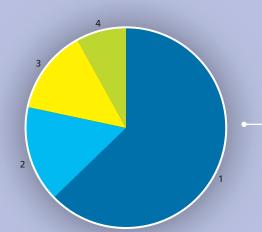
2 University \$125,618,000

3 Industry and other \$110,123,000

4 Commonwealth of Pennsylvania \$64,333,000

Total \$807,502,000

Penn State's diverse research initiatives reflect a wide range of funding sources.



• Total Graduate Student Enrollment (Resident Instruction and World Campus)

The University remains a popular choice for graduate education, with resident instruction supplemented in recent years by Penn State World Campus offerings.



Graduate Degrees Conferred

Over the past ten years, Penn State has conferred nearly 29,000 graduate degrees, including more than 6,400 doctoral degrees.



Contacts

Henry C. Foley

Vice President

Dean of the Graduate School

304 Old Main University Park, PA 16802-1504

814-863-9580 hcf2@psu.edu

Daniel A. Notterman

Vice Dean for Research and Graduate Studies, College of Medicine

Associate Vice President for Health Sciences Research

717-531-7199 dan13@psu.edu

Ronald J. Huss

Associate Vice President for Research and Technology Transfer 113 Technology Center

814-865-6277 rjh22@psu.edu

David W. Richardson

Associate Vice President for Research, Director of Sponsored Programs

110 Technology Center

814-865-3396 dwr14@psu.edu Steve Blake

Director of Development304 Old Main

814-863-6311 steveblake@psu.edu

Graduate School

Regina Vasilatos-Younken

Senior Associate Dean

114 Kern Building

814-865-2516 rxv@psu.edu

Suzanne Adair

Assistant Dean of Graduate Student Affairs

Senior Director of Graduate Educational Equity Programs

Director, Office of Postdoctoral Affairs

114 Kern Building

814-865-2516 sca917@psu.edu

Technology Transfer

Stephen P. Brawley

Director, Ben Franklin Technology Center of Central and Northern Pennsylvania, Inc.

814-865-8669 spb4@psu.edu Ronald J. Huss

Director, Office of Technology Management 814-865-6277 rib27@nsu.edu

Daniel R. Leri

Director, Innovation Park 814-863-6301

Interdisciplinary Research

DanLeri@psu.edu

Peter Hudson

Director, The Dorothy Foehr Huck and J. Lloyd Huck Institutes of the Life Sciences

814-863-3650 pih18@psu.edu

Edward G. Liszka

Director, Defense-Related Research Units

814-865-6343

Varl Harrie

Director, Electro-Optics Center 724-295-7000 kah26@psu.edu

Susan McHalo

Director, Social Science Research Institute

814-865-2647 mchale@psu.ed Carlo G. Pantano

Director, Materials Research Institute 814-863-8407 cgp1@psu.edu

Padma Raghavan
Director, Institute for

CyberScience 814-865-9233 raghayan@cse.psu.edu

Thomas L. Richard

Director, Penn State Institutes of Energy and the Environment 814-865-3722 th20@psu.edu

Michael Béruhé

Director, Institute for the

814-865-0495 mfb12@psu.edu For more information, visit our websites:

research.psu.edu gradsch.psu.edu

For news and features about Penn State's worldclass research enterprise by e-mail every two weeks:

http://goo.gl/39Nfc

