

Annual Report of Research Activity

Office of the Vice President for Research | Fiscal Year 2010

PENNSTATE





“Let the college investigate, that it may teach well.”

George W. Atherton, PRESIDENT OF PENN STATE, 1882–1906

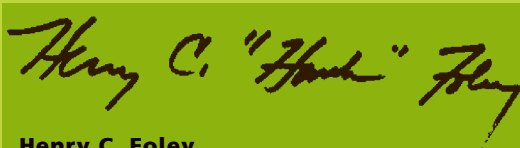
PENN STATE'S RESEARCH ENTERPRISE CONTINUES ON A PATH OF VIGOROUS GROWTH.

Expenditures totaled an all-time high of \$780 million for the 2009–10 fiscal year, a 77 percent increase over the past decade. In that time, University researchers in a host of academic disciplines have expanded the frontiers of knowledge and contributed to the material, social, and cultural enrichment of society.

Funding agencies know they can count on the quality of Penn State research. This past year, in the realm of energy alone, the University received multimillion-dollar grants from the U.S. Department of Energy to establish multidisciplinary centers for solar and clean-energy research and support ongoing research in nuclear energy. We are one of five universities partnering with DOE in a \$465 million initiative aimed at making more efficient and environmentally friendly use of fossil-fuel resources. The private sector also is a source of numerous energy-related research collaborations. In fact, across all disciplines, Penn State maintains its distinction as one of the nation's top universities in industry-sponsored research.

Research is a sound economic investment. Penn State research puts nearly \$2 billion into Pennsylvania's economy each year in the form of new technologies, job creation and retention, taxes, and other direct and indirect economic impact.

Finally, faculty research is essential to a rigorous program of graduate education. Penn State awarded more than 3,000 graduate degrees in 2009–10 for the first time ever—a clear testament to the University's reputation as a world-class learning center.



Henry C. Foley

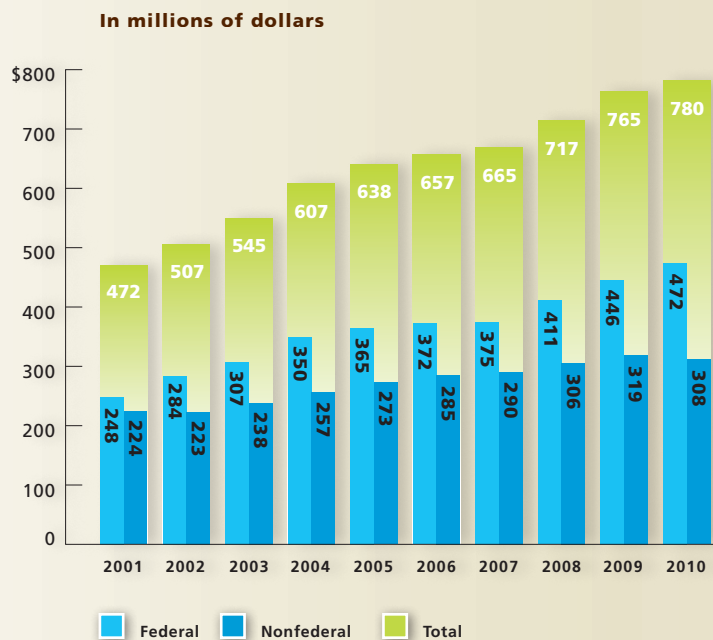
Vice President for Research
and Dean of the Graduate School

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



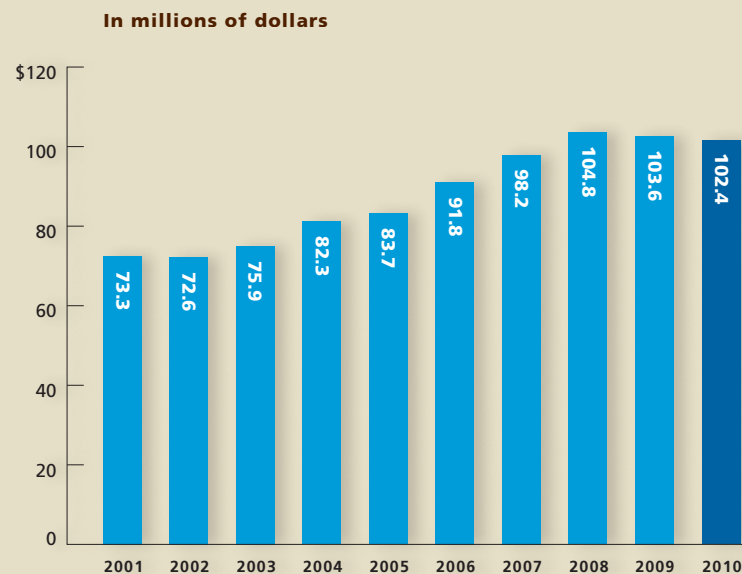
Total Research Expenditures, 2001–2010 (Federal and Nonfederal)

Expenditures totaled an all-time high of \$780 million, with federal support leading the way at \$472 million.



Industry-Sponsored Research, 2001–2010

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 \$173,111,000**

2 **Department of Health and Human Services \$120,968,000**

3 **National Science Foundation \$58,898,000**

4 **USDA \$20,629,000**

5 **NASA \$19,437,000**

6 **DOE \$18,484,000**

7 **Education \$11,645,000**

8 **Other \$49,196,000**

Transportation \$6,198,000

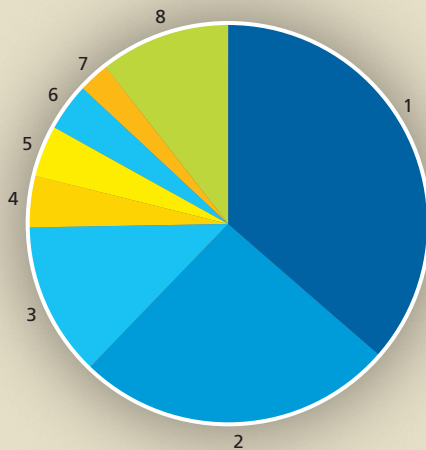
Commerce \$1,611,000

Interior \$1,430,000

EPA \$897,000

Other Federal \$39,060,000

Total \$472,368,000



Expenditures by Performing Unit

1 **Defense-Related Research Units \$185,936,000**

Applied Research Lab \$149,437,000

Electro-Optics Center \$36,499,000

2 **Engineering \$104,483,000**

3 **Agricultural Sciences \$98,282,000**

4 **Medicine \$98,032,000**

5 **Eberly College of Science \$97,450,000**

6 **Earth and Mineral Sciences \$71,607,000**

7 **Health and Human Development \$43,796,000**

8 **Liberal Arts \$28,489,000**

9 **Education \$22,258,000**

10 **Information Sciences and Technology \$10,037,000**

11 **Other \$12,997,000**

Altoona College \$701,000

Behrend College \$3,643,000

Berks College \$170,000

Capital College \$3,079,000

Great Valley \$326,000

Penn College \$1,367,000

Other Campuses and Programs \$3,711,000

12 **Other Schools and Colleges \$6,699,000**

Arts and Architecture \$1,003,000

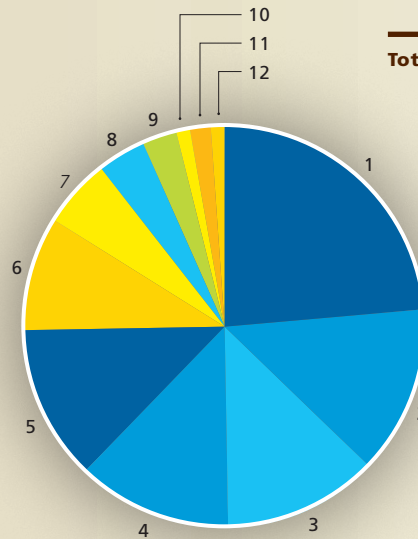
Communications \$271,000

Dickinson School of Law \$205,000

Nursing \$1,004,000

Smeal College of Business \$4,216,000

Total \$780,066,000



Sources of Research Funding

1 Federal \$472,368,000

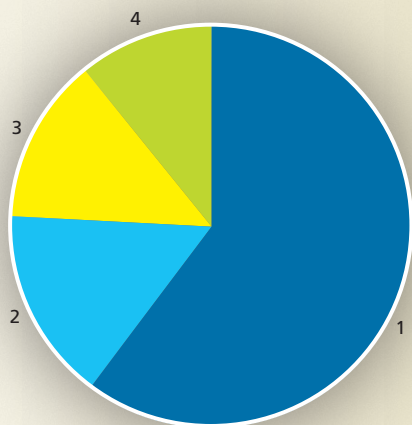
2 University \$120,097,000

3 Industry and other \$103,772,000

4 Commonwealth of Pennsylvania
\$83,829,000

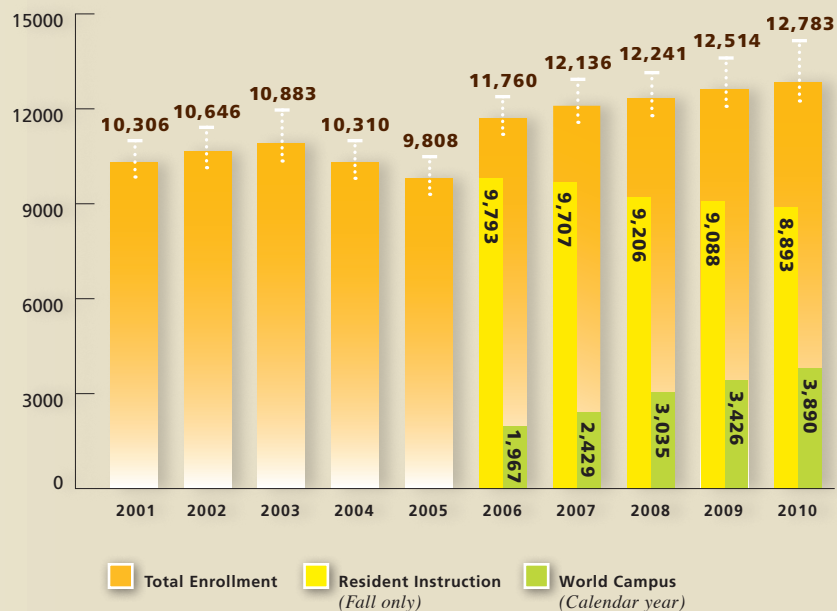
Total \$780,066,000

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



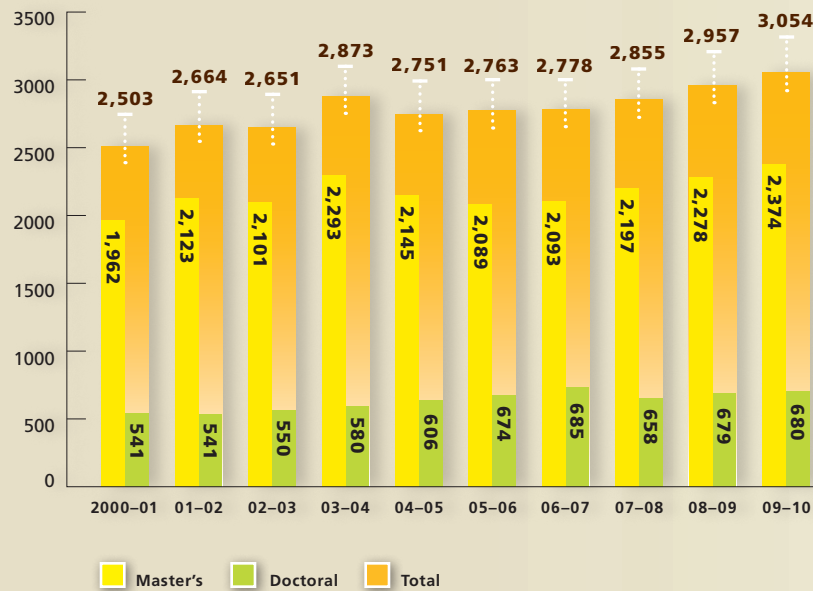
Total Graduate Student Enrollment

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 28,000 graduate degrees, including about 6,200 doctoral degrees.



Contacts

Henry C. Foley

*Vice President
for Research
Dean of the
Graduate School*
304 Old Main
University Park, PA
16802-1504
814-863-9580
hcf2@psu.edu

Peter E. Schiffer

*Associate Vice President
for Research
Director of Strategic
Initiatives*
304 Old Main
814-863-9658
pes12@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

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

*President/CEO, Ben Franklin
Technology Center of
Central and Northern
Pennsylvania, Inc.*
814-865-8669
spb4@psu.edu

Ronald J. Huss

*Director, Intellectual
Property Office*
814-865 6277
rjh22@psu.edu

Daniel R. Leri

*Director, Innovation Park
and Research
Commercialization*
814-863-6301
DanLeri@psu.edu

Tanna M. Pugh

*Director, Industrial
Research Office*
814-865-2878
tannapugh@psu.edu

Interdisciplinary Research

Peter Hudson

*Director, The Dorothy Foehr
Huck and J. Lloyd Huck
Institutes of the Life Sciences*
814-863-3650
pjh18@psu.edu

Edward G. Liszka

*Director, Defense-Related
Research Units*
814-865-6343
egl4@psu.edu

Karl Harris

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

Susan McHale

*Director, Social Science
Research Institute*
814-865-2647
mchale@psu.edu

Carlo G. Pantano

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

Padma Raghavan

*Director, Institute for
CyberScience*
814-865-9233
raghavan@cse.psu.edu

Thomas L. Richard

*Director, Penn State
Institutes of Energy and
the Environment*
814-865-3722
tlr20@psu.edu

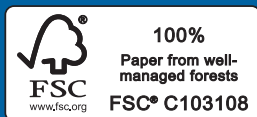
Michael Bérubé

*Director, Institute for the
Arts and Humanities*
814-865-0495
infb12@psu.edu

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