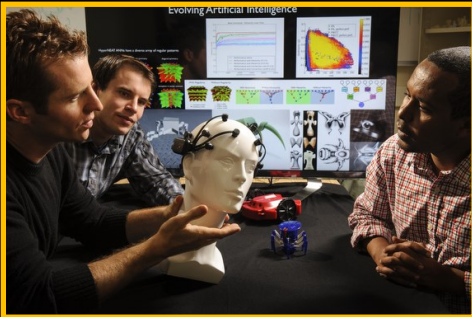


Research & Economic Development

Annual Report

External Awards and Economic Development Snapshot FY 2016



UNIVERSITY OF WYOMING

In fiscal year 2016, the University of Wyoming received \$95,839,018 million in external awards from federal, state and industrial sources. This funding is the result of great work performed by UW faculty and staff and represents their competitiveness in an increasingly competitive environment for external awards.

These awards support all the University's key missions of research, teaching and service. The Office of Research and Economic Development (ORED) joins the campus community in celebrating how these awards support students, create new knowledge and new applications of existing knowledge, enhance the research infrastructure and support to the University's core service and research missions to the State of Wyoming.

This year's report contains the standard external sponsored program funding using historic methodologies for determining the \$95.84 million. This allows direct comparison to prior years' data. In addition, we show Direct Student Loans which UW now administers as a result of federal legislation shifting student loans from private lenders to the student's academic institution, this year there was approximately \$43 million in such funding. Direct Student Loans are not included in the \$95 million reported as external awards.

The Office of Research and Economic Development congratulates all campus members receiving external funding in the current highly competitive environment. Through your hard work, UW's reputation grows and our constituents' benefit. It is the ORED's pleasure to serve the campus community in this important work.



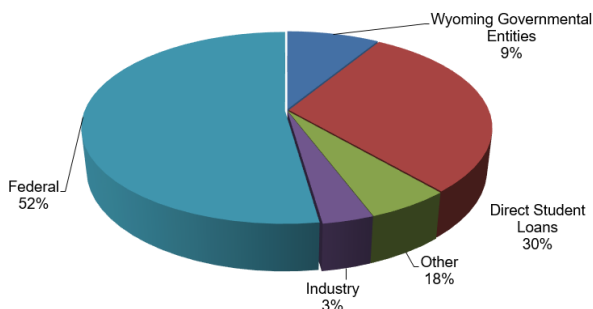
William A. Gern, Vice President
Research & Economic Development

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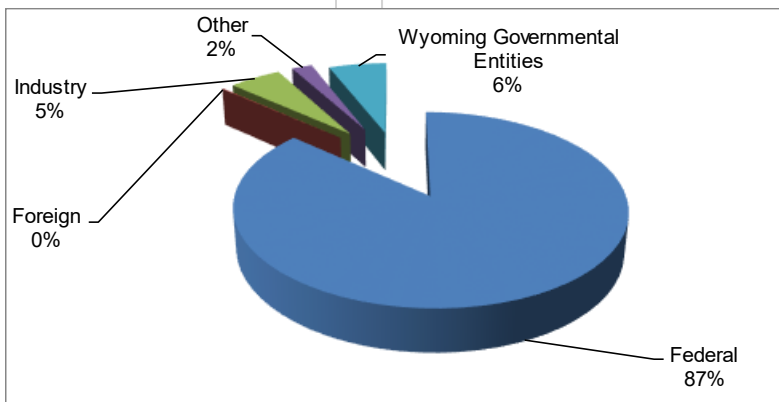
Awards by Sponsor

SPONSOR	NEW AWARDS	AMENDMENTS	TOTAL AWARDED AMOUNT
FEDERAL & FEDERAL PASS-THROUGH			
Corporation for National and Community Service	1	-	84,510
Department of Agriculture	39	14	6,259,014
Department of Commerce	6	1	1,749,488
Department of Defense	3	8	1,614,249
Department of Education	6	29	12,353,249
Department of Energy	12	14	6,030,146
Department of Health and Human Services	19	34	16,714,435
Department of Homeland Security	3	1	132,169
Department of Interior	37	41	5,503,513
Department of Justice	3	-	250,279
Department of State	-	1	196,180
Department of Transportation	16	6	2,990,402
Environmental Protection Agency	4	-	339,976
Federal Communications Commission	-	1	62,407
National Aeronautics and Space Administration	8	9	1,518,277
National Endowment for the Arts & Humanities	2	-	9,000
National Science Foundation	23	25	14,370,025
National Security Agency	2	-	101,098
Small Business Administration	2	1	824,773
Total Federal	186	185	71,103,190
NON-FEDERAL			
Foreign	3	1	480,013
Industry	32	37	4,685,173
Other	62	96	7,640,971
Wyoming Governmental Entities	78	17	11,929,671
Total Non-Federal	175	151	24,735,828
TOTAL FEDERAL & NON-FEDERAL	361	336	95,839,018
DIRECT STUDENT LOANS	1	-	40,601,856
GRAND TOTAL	362	336	136,440,874



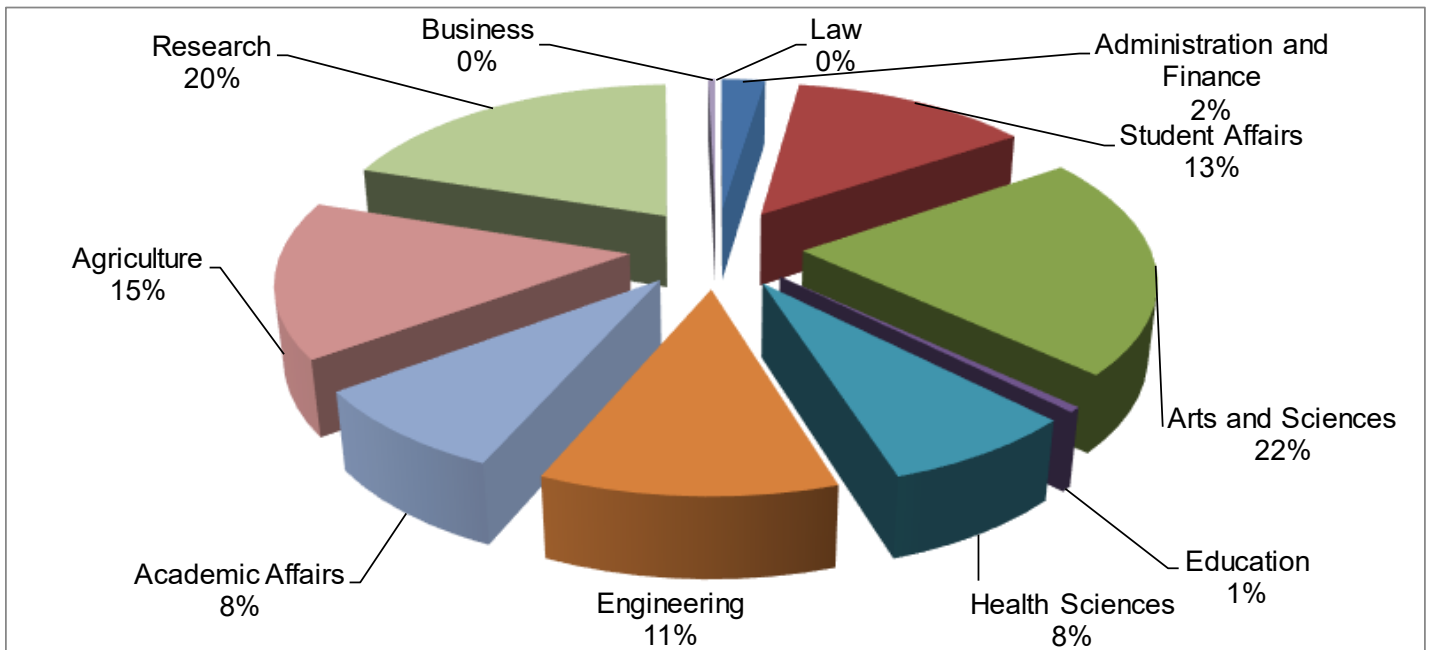
Expenditures by Sponsor

SPONSOR	TOTAL EXPENDITURES
FEDERAL	
Agency for International Development	1,870
Corporation for National and Community Service	81,306
Department of Agriculture	5,851,116
Department of Commerce	1,378,243
Department of Defense	1,512,464
Department of Education	57,588,961
Department of Energy	4,672,169
Department of Health and Human Services	14,083,627
Department of Homeland Security	47,305
Department of Interior	28,635,326
Department of Justice	151,247
Department of State	194,786
Department of Transportation	2,440,633
Environmental Protection Agency	183,902
Federal Communications Commission	15,316
Institute for Environment Conflict	4,879
National Aeronautics and Space Administration	2,146,227
National Endowment for the Arts and Humanities	18,981
National Science Foundation	16,475,774
Small Business Administration	850,923
Total Federal	136,335,055
NON-FEDERAL	
Foreign	174,840
Industry	8,411,612
Other	3,278,565
Wyoming Governmental Entities	9,313,926
Total Non-Federal	21,178,943
GRAND TOTAL	157,513,998

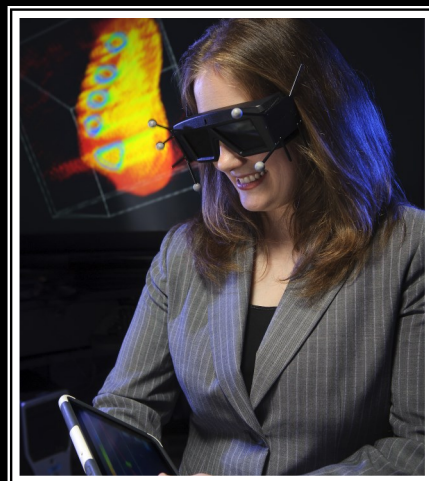
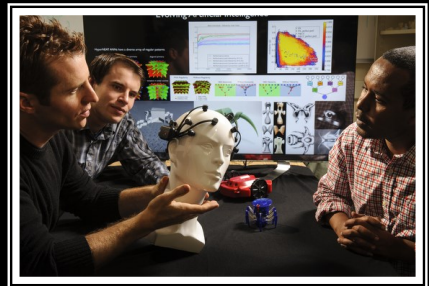
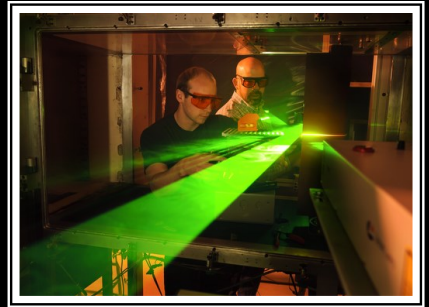


Awards to Organizational Unit

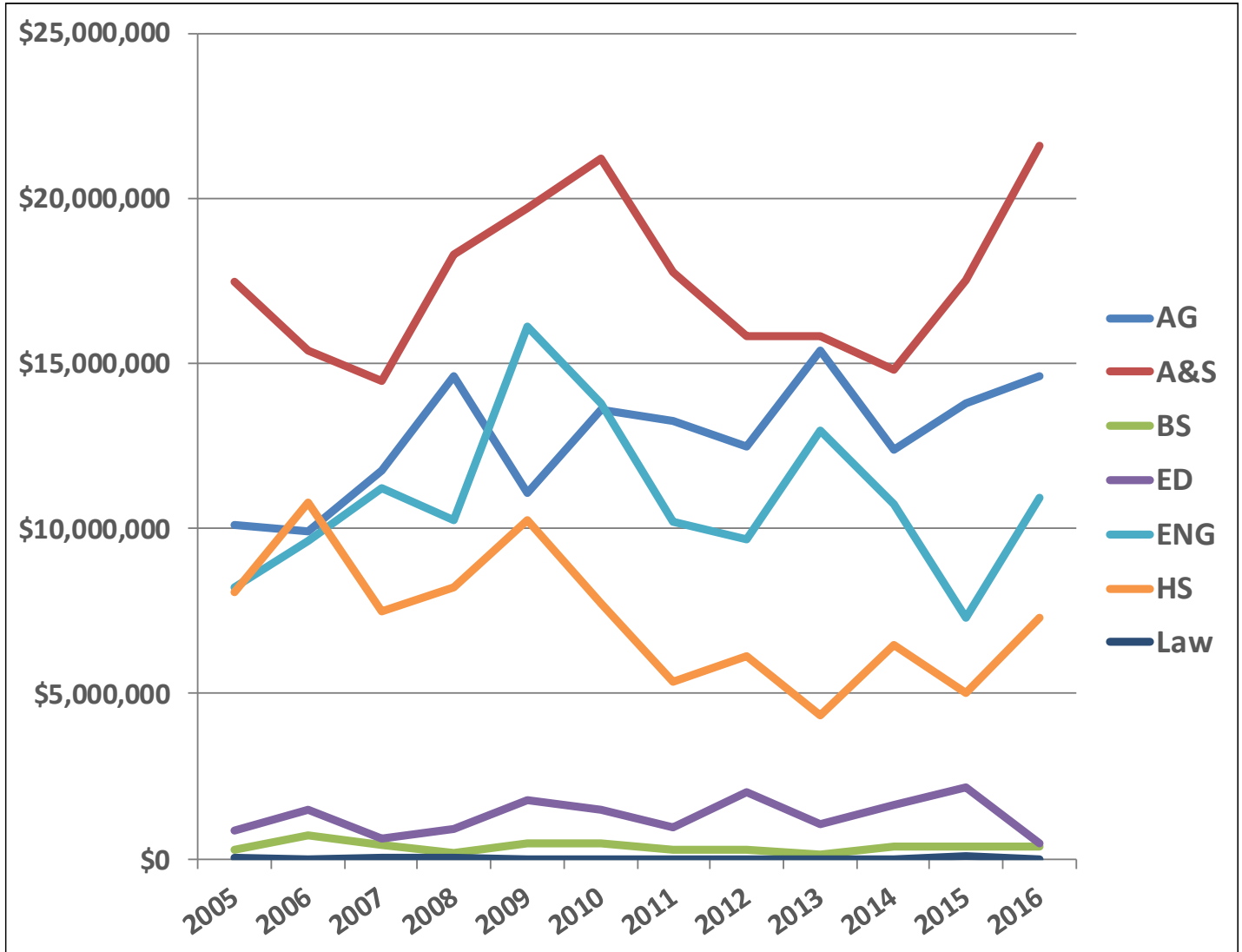
ORGANIZATIONAL UNIT	NEW AWARDS	AMENDMENTS	TOTAL AWARDED AMOUNT
College of Agriculture & Natural Resources	79	57	14,633,511
College of Arts & Sciences	123	78	20,619,979
College of Business	2	2	362,369
College of Education	1	3	475,423
College of Engineering	44	38	10,948,141
College of Health Sciences	24	34	7,276,254
College of Law	-	-	-
Office of Academic Affairs	32	22	8,000,862
Office of Administration & Finance	8	2	2,300,597
Office of Research	32	68	18,637,915
Office of Student Affairs	16	32	12,583,967
TOTAL FEDERAL & NON-FEDERAL	361	336	95,839,018
DIRECT STUDENT LOANS	1	-	40,601,856
GRAND TOTAL	362	336	136,440,874



AWARDS by COLLEGE



Awards by College



Highest Academic Department Awards by College:

Agriculture: (AG) - Animal Science	\$3,649,879
Arts & Sciences (A&S) - Zoology	\$4,383,872
Business (BS) - Economics & Finance	\$ 362,369
Education (ED) - Secondary Education	\$ 451,557
Engineering (ENG) - Civil & Architectural	\$3,962,785
Health Sciences (HS) - Kinesiology & Health	\$1,658,019

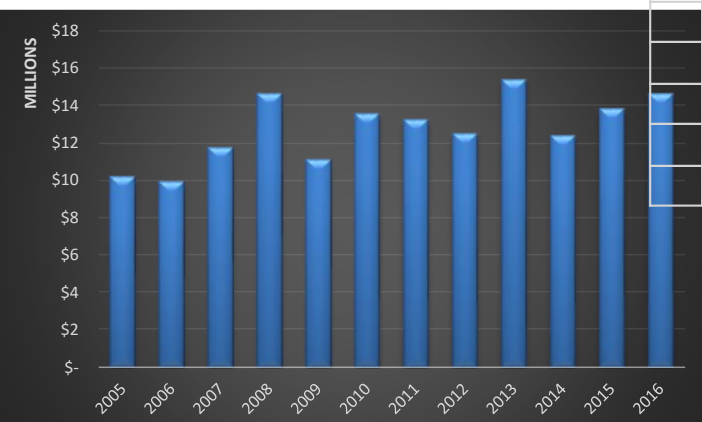
College of Agriculture & Natural Resources

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Agricultural and Applied Economics	477,571	52,712	530,283
Agricultural Experiment Station	143,239	405,848	549,087
Animal Science	3,345,432	304,447	3,649,879
Cooperative Extension Service	584,304	111,134	695,438
Dean's Office			-
Ecosystem Science & Management	1,502,982	590,868	2,093,850
Family and Consumer Sciences	2,120,175	500	2,120,675
Molecular Biology	2,998,859	-	2,998,859
Plant Sciences	849,734	372,795	1,222,529
Veterinary Sciences	693,841	59,070	752,911
	12,716,137	1,897,374	14,613,511

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Note: the total federal award column does not include the federal formula funds we received as a land-grant institution.

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Agency for International Development	
Department of Agriculture	5,647,130
Department of Defense	
Department of Health and Human Services	4,991,362
Department of Interior	1,021,434
Department of Justice	57,960
Department of State	196,180
Environmental Protection Agency	47,000
National Science Foundation	755,071
Total Federal	12,716,137
NON-FEDERAL	
Foreign	147,188
Industry	470,506
Other	420,076
Wyoming Governmental Entities	859,604
Total Non-Federal	1,897,374
GRAND TOTAL	14,613,511



College of Arts & Sciences

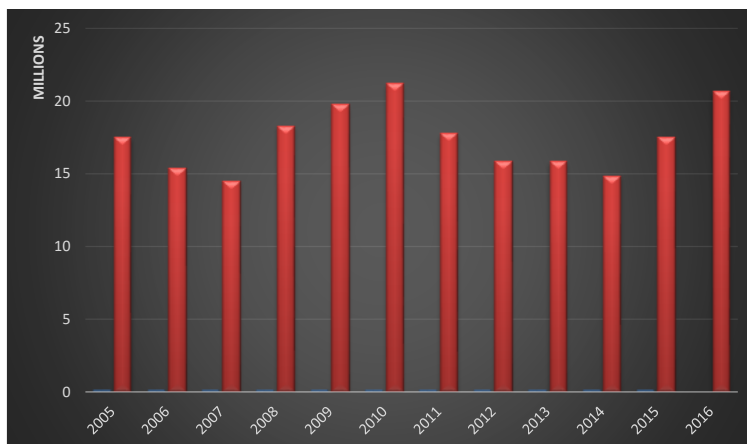
DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
African American & Diaspora Studies	-	-	-
American Indian Studies	-	-	-
American Studies	-	10,000	10,000
Anthropology & Frison Institute	385,480	238,920	624,400
Art	-	-	-
Botany	1,497,664	46,133	1,543,797
Chemistry	749,970	16,000	765,970
Communications & Journalism	-	-	-
Criminal Justice	-	-	-
Cultural Programs	2,000	-	2,000
English	-	5,000	5,000
Gender & Women's Studies	-	-	-
Geography	-	182,209	182,209
Geology & Geophysics	2,106,944	115,725	2,222,669
Global & Area Studies	-	-	-
History	-	-	-
Latina/o Studies	-	9,000	9,000
Life Sciences Program	-	-	-
Mathematics	535,678	7,000	542,678
Modern & Classical Languages	-	-	-
Music	-	5,283	5,283
Philosophy	-	-	-
Physics and Astronomy	663,396	8,600	671,996
Political Science	-	-	-
Psychology	8,330	24,021	32,351
Religious Studies	-	750	750
Sociology	72,000	-	72,000
Statistics	180,311	-	180,311
Theatre and Dance	-	11,349	11,349
WYSAC	1,810,878	7,543,466	9,354,344
Zoology and Physiology	3,402,858	981,014	4,383,872
	11,415,509	9,204,470	20,619,979



College of Arts & Sciences continued

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Agriculture	314,794
Department of Commerce	152,602
Department of Defense	386,168
Department of Energy	700,731
Department of Health and Human Services	2,131,481
Department of Interior	2,115,072
Department of Justice	187,347
National Aeronautics and Space Administration	215,829
National Endowment for the Arts & Humanities	2,000
National Science Foundation	5,167,678
National Security Agency	11,106
Total Federal	11,384,808
NON-FEDERAL	
Foreign	53,175
Industry	425,582
Other	4,992,111
Wyoming Governmental Entities	3,764,303
Total Non-Federal	9,235,171
GRAND TOTAL	20,619,979

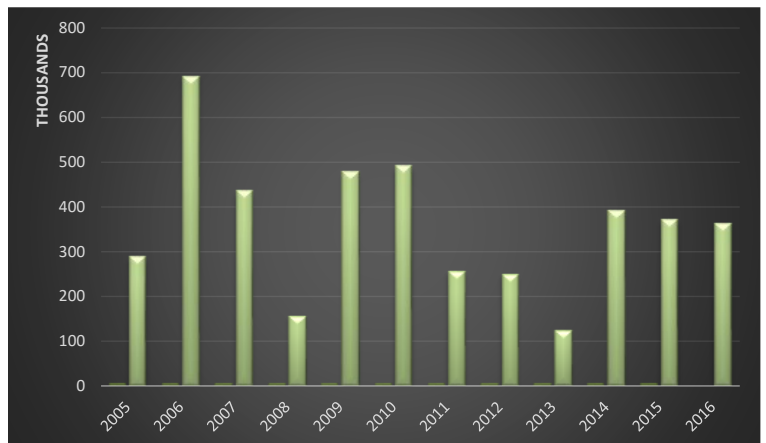
2016 Invention & Software Disclosures: 4



College of Business

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Accounting	-	-	-
Economics and Finance	-	362,369	362,369
Management & Marketing	-	-	-
MBA Program	-	-	-
	-	362,369	362,369

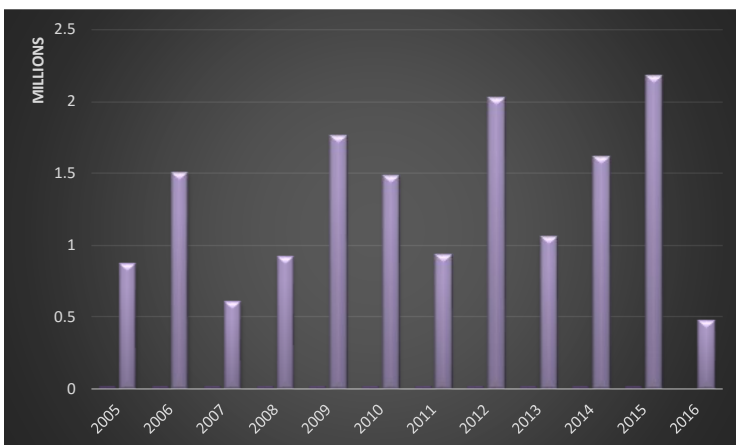
SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Total Federal	-
NON-FEDERAL	
Industry	10,000
Other	246,819
Wyoming Governmental Entities	105,550
Total Non-Federal	362,369
GRAND TOTAL	362,369



College of Education

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Curriculum & Instruction	-	-	-
Educational Studies	-	-	-
Elementary & Early Childhood Education	-	-	-
Professional Studies	-	-	-
Science-Math Teaching Center	23,866	-	23,866
Secondary Education	451,557	-	451,557
	475,423	-	475,423

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Education	475,423
Total Federal	475,423
NON-FEDERAL	
Total Non-Federal	-
GRAND TOTAL	475,423

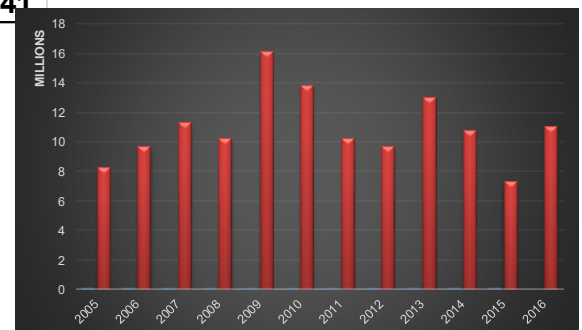
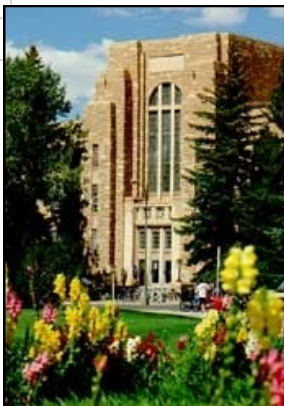


College of Engineering

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Atmospheric Science	3,694,782	-	3,694,782
Chemical and Petroleum Engineering	721,021	1,131,910	1,852,931
Civil and Architectural Engineering	3,220,373	742,412	3,962,785
Computer Science	280,900	-	280,900
Engineering Dean	506	-	506
Electrical and Computer Engineering	236,372	-	236,372
Mechanical Engineering	833,465	86,400	919,865
	8,987,419	1,960,722	10,948,141

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Agriculture	25,728
Department of Commerce	488,373
Department of Defense	235,558
Department of Energy	1,962,204
Department of Health and Human Services	24,307
Department of Interior	112,505
Department of Transportation	1,607,524
Environmental Protection Agency	116,616
National Aeronautics and Space Administration	1,002,448
National Science Foundation	3,562,156
Total Federal	9,137,419
NON-FEDERAL	
Foreign	-
Industry	547,899
Other	870,142
Wyoming Governmental Entities	392,681
Total Non-Federal	1,810,722
GRAND TOTAL	10,948,141

2016 Invention & Software Disclosures: 10



College of Health Sciences

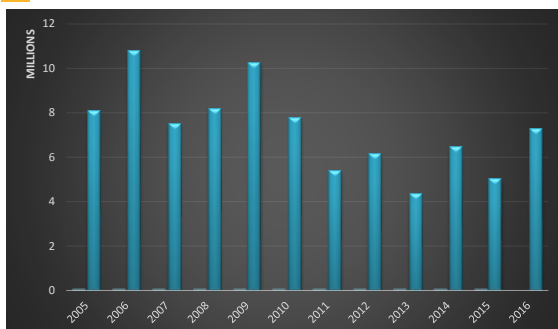
DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Communication Disorders	47,393	-	47,393
Health Science Dean's Office	530,685	-	530,685
Kinesiology & Health	1,348,369	309,650	1,658,019
Medical Education & Public Health & WWAMI/GME	112,966	6,552	119,518
Nursing	8,457	58,510	66,967
Pharmacy	240,813	722,934	963,747
Social Work	-	-	-
WIND	3,004,507	885,418	3,889,925
	5,293,190	1,983,064	7,276,254

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Agriculture	
Department of Education	209,137
Department of Health and Human Services	4,986,342
Department of Interior	35,304
Federal Communications Commission	62,407
Total Federal	5,293,190
NON-FEDERAL	
Foreign	279,650
Industry	575,000
Other	95,998
Wyoming Governmental Entities	1,032,416
Total Non-Federal	1,983,064
GRAND TOTAL	7,276,254

2016 Invention & Software Disclosures: 5

Notes:

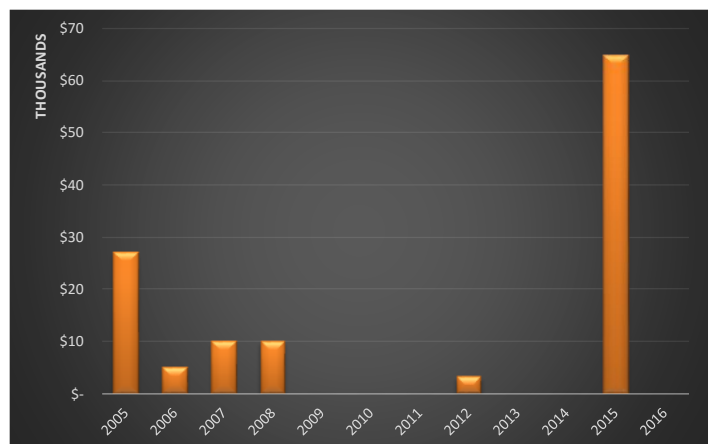
INBRE is reported under the Office of Research & Economic Development



College of Law

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
College of Law			-
	-	-	-

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Total Federal	-
NON-FEDERAL	
Total Non-Federal	-
GRAND TOTAL	-

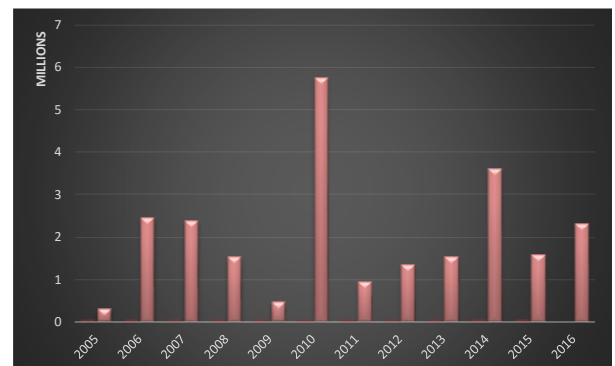


AWARDS by ADMINISTRATIVE UNIT

Administration and Finance

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Facilities Planning	850,000	-	850,000
TransPark	1,276,682	27,500	1,304,182
UW Police	140,214	6,201	146,415
	2,266,896	33,701	2,300,597

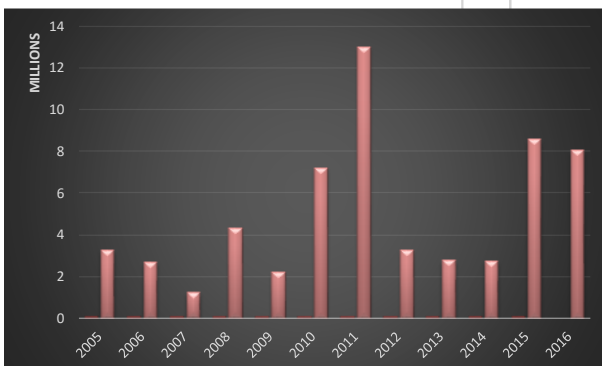
SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Homeland Security	132,168
Department of Interior	850,000
Department of Transportation	1,284,728
Total Federal	2,266,896
NON-FEDERAL	
Wyoming Governmental Entities	33,701
Total Non-Federal	33,701
GRAND TOTAL	2,300,597



Academic Affairs

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
American Heritage Center	137,500	-	137,500
Art Museum	7,000	12,040	19,040
Coe Library	159,162	-	159,162
Institute for Environment & Natural Resources	89,276	67,974	157,250
International Programs	89,992	-	89,992
Outreach School	-	-	-
School of Energy Resources	1,783,000	4,565,023	6,348,023
UW-Casper	-	-	-
Wyoming Public Radio	-	324,101	324,101
WYGISC	332,781	433,013	765,794
	2,598,711	5,402,151	8,000,862

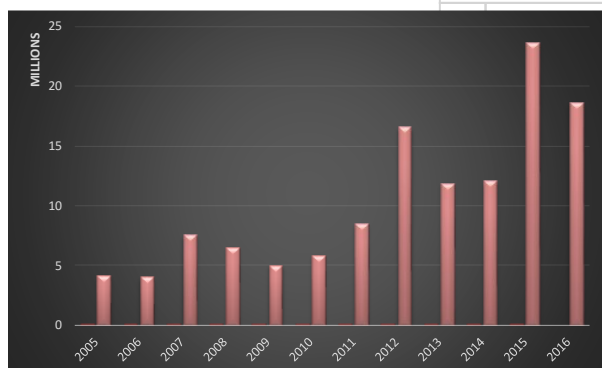
SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Agriculture	103,446
Department of Education	137,500
Department of Energy	1,466,236
Department of Health and Human Services	108,053
Department of Interior	566,931
Department of Transportation	98,151
National Endowment for the Arts and Humanities	7,000
National Security Agency	89,992
National Science Foundation	21,402
Total Federal	2,598,711
NON-FEDERAL	
Foreign	
Industry	2,415,003
Other	917,820
Wyoming Governmental Entities	2,069,328
Total Non-Federal	5,402,151
GRAND TOTAL	8,000,862



Research & Economic Development

DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
EPSCoR	7,064,692	-	7,064,692
INBRE	3,473,181	-	3,473,181
Manufacturing Works	998,513	825,173	1,823,686
Neuroscience Center	989,708	-	989,708
Office of Water Programs	92,335	472,328	564,663
Research Products Center	-	196,590	196,590
Small Business Development Center	1,101,151	1,193,914	2,295,065
UW-National Park Service	62,500	-	62,500
Wyoming Technology Business Center	110,000	1,118,300	1,228,300
WYNDD	905,208	34,322	939,530
	14,797,288	3,840,627	18,637,915
*EPSCoR (DOE, NASA & NSF)			

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Department of Agriculture	147,916
Department of Commerce	1,108,512
Department of Defense	276,378
Department of Energy	1,900,974
Department of Health and Human Services	4,462,889
Department of the Interior	735,767
Environmental Protection Agency	176,360
National Aeronautics and Space Administration	300,000
National Science Foundation	4,863,718
Small Business Administration	824,773
Total Federal	14,797,287
NON-FEDERAL	
Industry	214,183
Other	72,007
Wyoming Governmental Entities	3,554,438
Total Non-Federal	3,840,628
GRAND TOTAL	18,637,915

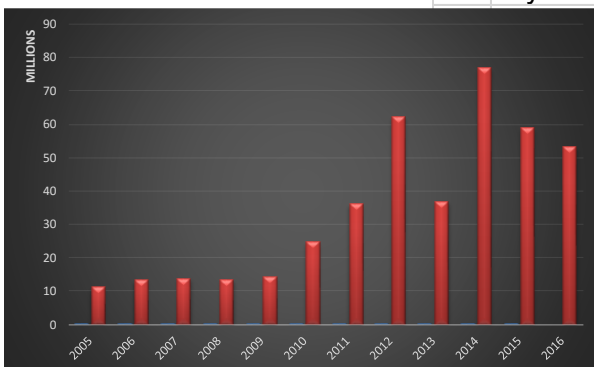


Note: INBRE, COBRE, EPSCoR are reported under Office of Research & Economic Development

Student Affairs

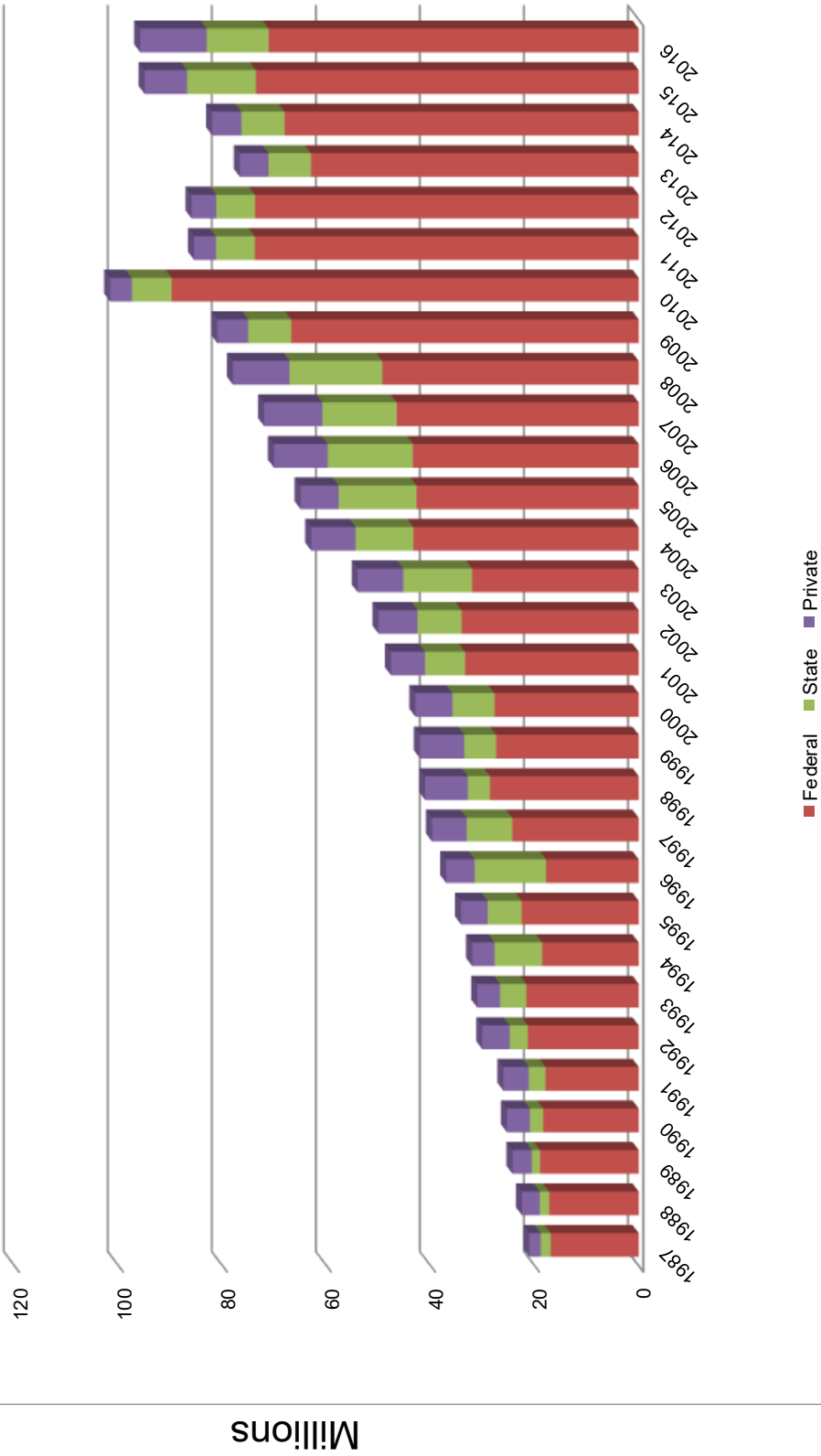
DEPARTMENT	FEDERAL	NON-FEDERAL	TOTAL AWARDED AMOUNT
Associated Students of the University of Wyoming (ASUW)	-	10,000	10,000
Counseling Center	-	13,600	13,600
Direct Student Loans	40,601,856	-	40,601,856
Residence Life & Dining	136,510	140,750	277,260
Student Educational Opportunity	1,576,250	-	1,576,250
Student Financial Aid	10,671,084	-	10,671,084
VP Student Affairs	29,472	-	29,472
Wyoming Union	-	6,300	6,300
	53,015,172	170,650	53,185,822

SPONSOR	TOTAL AWARDED AMOUNT
FEDERAL	
Cooperation for National and Community Service	84,510
Department of Defense	716,145
Department of Education	11,531,189
Department of Health and Human Services	10,000
Department of the Interior	66,500
Department of Justice	4,972
Total Federal	12,413,316
NON-FEDERAL	
Industry	27,000
Other	26,000
Wyoming Governmental Entities	117,650
Total Non-Federal	170,650
TOTAL FEDERAL & NON-FEDERAL	12,583,966
DIRECT STUDENT LOANS	40,601,856
GRAND TOTAL	53,185,822



FY 1987 - 2016

Note: Totals listed represent External Sponsored Projects Accounted for through the Research Office



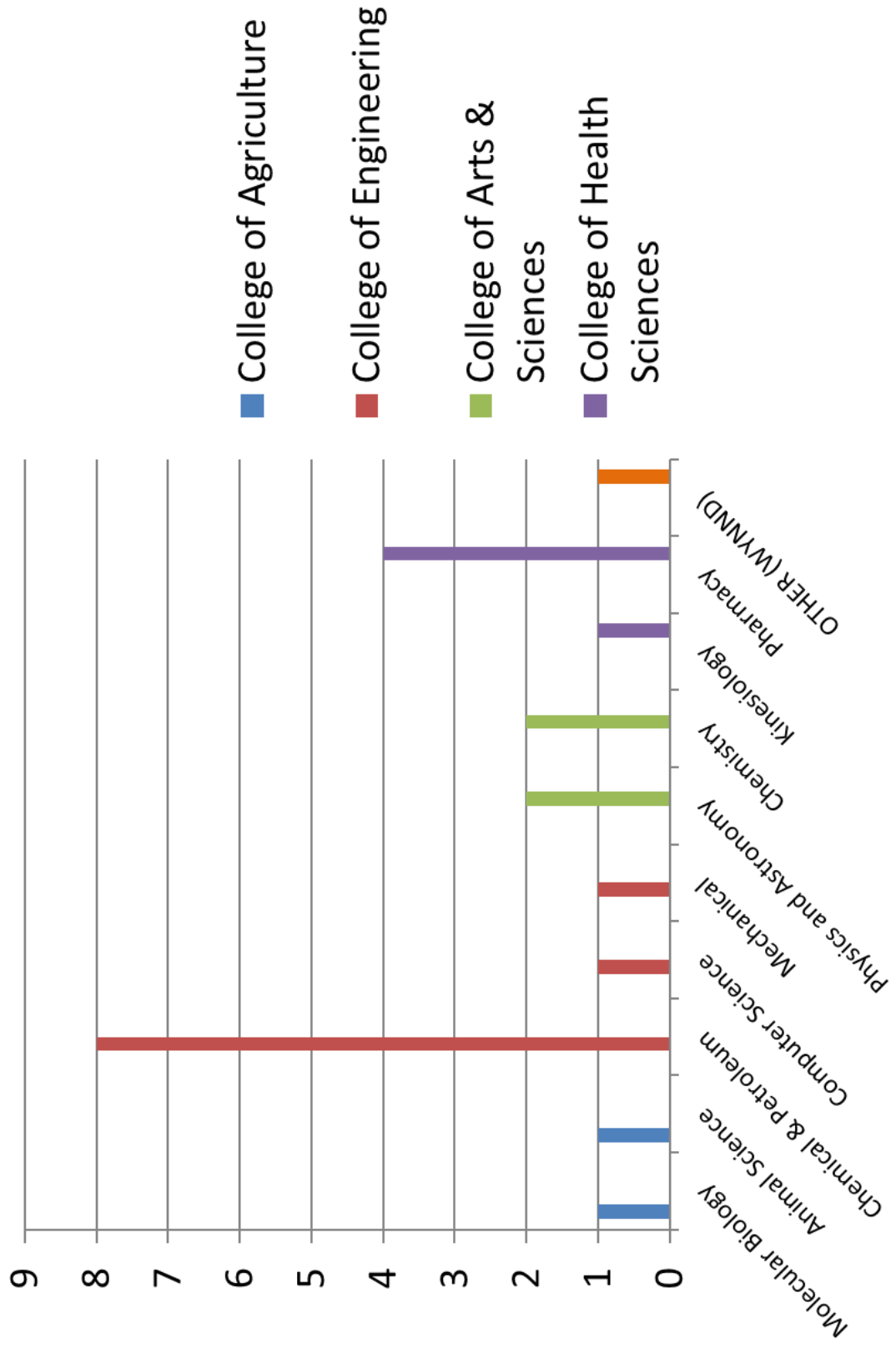
Notes: Federal pass-thru is included in the Federal dollars for FY 2009 -FY2012. In prior years federal pass-thru was included where it was awarded and not from the source of funds

Does not include Direct Student Loans

ARRA is included in the federal portion for 2009-2013

University of Wyoming Invention & Software Disclosures for Fiscal Year 2016* all Colleges

*(7/1/2015 to 6/30/2016)



Business Resource Network

Economic Development continues to be a major role for the University of Wyoming. Much of UW's work involves a unique relationship with the Wyoming Business Council (WBC) which produces important results for companies throughout the state. Called the **Business Resource Network** the University and the WBC, with federal partners, provide business assistance through several independent but coordinated organizations.

The **Wyoming Small Business Development Centers**, this time partnering with the U.S. Small Business Administration, provide a variety of services to small businesses of all types. **Manufacturing-Works**, a National Institute of Standards and Technology Manufacturing Extension Partnership entity provide a set of specific services to manufacturing businesses. **GRO-Biz**, a **Procurement and Technical Assistance Center** with federal funding provided by the Defense Logistics Agency provide training and assistance to Wyoming businesses desiring to provide goods and services to the federal, state and now local governments.

The **Wyoming Market Research Center** which has no federal partner is an organization employing a variety of databases to give small businesses clear market analysis as they contemplate growth and change. The **Wyoming SBIR/STTR Initiative** provides specific assistance to Wyoming innovation based companies to compete for federal SBIR and STTR funding and it runs the unique **Wyoming Phase 0** program which provides contracts to Wyoming businesses on a competitive basis to develop federal Phase 1 or Phase 2 proposals. The **Research Products Center** handles intellectual property transactions (patenting, licensing and copyrighting) for the University of Wyoming specifically and teaches Wyoming inventors how to protect intellectual property and, conducts to patent searches for such inventors.

Together, these six organizations provide a host services for Wyoming small businesses that is unique in the United States. The Wyoming Business Council provides the state matching funds to these organizations and the University of Wyoming provides management. All share the common philosophy that no one succeeds until there is client success.

Finally the University of Wyoming operates the **Wyoming Technology Business Center** which is a technology-related business incubator in Laramie. This center provides specific client counseling to two distinct set of clients, those called "pre-venture" clients or those that are taking initial steps towards developing a business or have formed a nascent company. Currently about 30 such companies are receiving assistance. The other group are those companies occupying space within the WTBC and are receiving the in-depth counseling services of the WTBC professionals. Making the WTBC unique is a contract with the Wyoming Business Council to manage a Tier 2+ data center in the basement of the incubator building. This data center provides high speed connectivity for companies occupying space within the incubator or who are WTBC graduates. The WTBC now manages incubators in Sheridan and Casper, Wyoming.

The University of Wyoming understands the deep responsibility associated with providing assistance to Wyoming business and in helping to grow technology-based businesses to provide diversification. The following is a report of Economic Development activity for the past year.

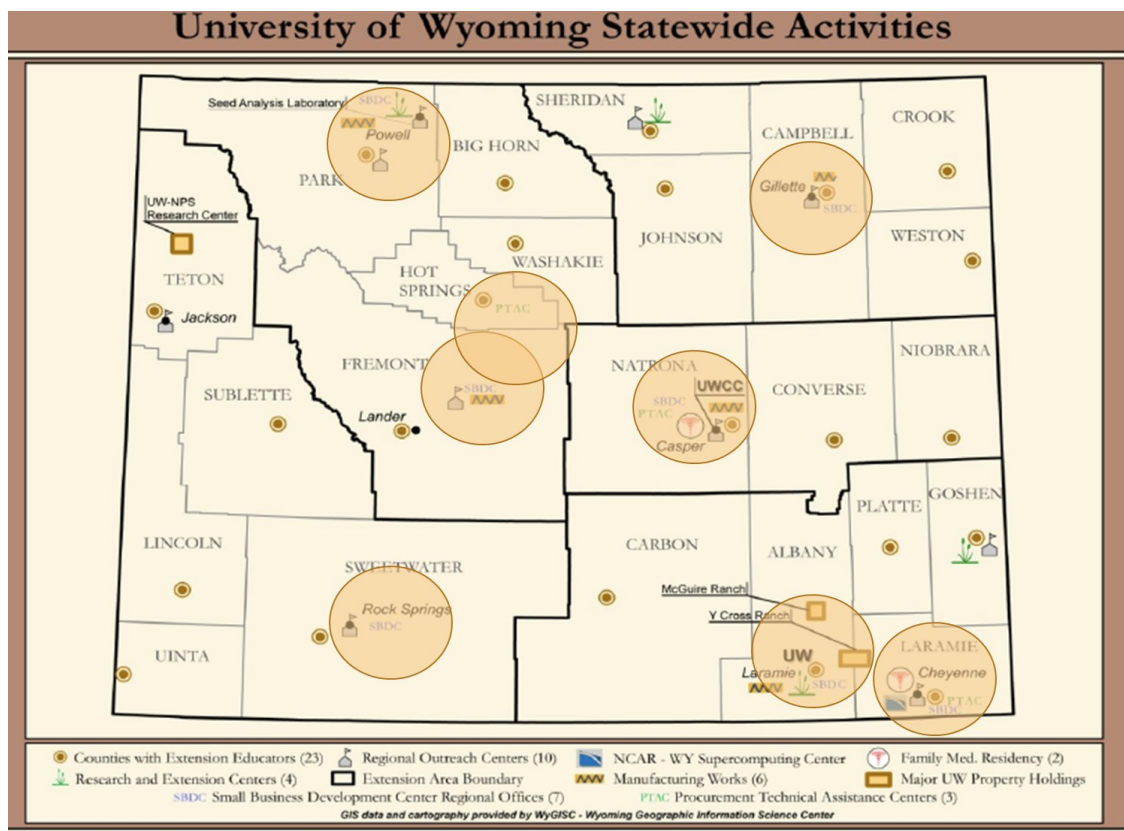
Economic Development Snapshot

Economic Development Outreach Programs

Resources at your fingertips

- Small Business Development Centers 1994
- PTAC 2000
- Market Research Center 2003
- Manufacturing-Works 1995
- Wyoming SBIR/STTR 1995
- Research Products Center 1998
- Wyoming Technology Business Center 2006

UW-Wyoming Business Council Partnership formed in 1998



Small Business Development Centers

Wyoming Entrepreneur is a network of three programs at the University of Wyoming, with offices throughout the state. The programs include the Small Business Development Center (SBDC), Procurement Technical Assistance Center (PTAC) and Market Research Center (MRC).

Wyoming Entrepreneur consists of a partnership between the University of Wyoming, the Wyoming Business Council and the U.S. Small Business Administration.

In order to best serve entrepreneurs in Wyoming, we have developed a number of consulting specialties which include selling to government, business plans, marketing plans, financial health checkup, business valuation, eCommerce, succession planning, international trade, tourism marketing, market research, business ethics, social media, QuickBooks, and others.

FY16

- \$ 30,013,181 capital impact
- 2,188 jobs created or retained
- 1,505 clients assisted
- Business Startups 117
- 67 training events – 849 attendees, 2,477 training hours

Twenty-two years of assisting clients (1994-2016):

- 43,863 clients have been served
- \$243,352,373 capital impact
- 13,654 jobs created or retained

Funding

- Federal (SBA) \$638,889 base
- State (WBC) \$763,778
- UW also provides match

Procurement Technical Assistance Center (PTAC)

The Wyoming Entrepreneur Procurement Technical Assistance Center's mission is to assist Wyoming firms with identifying and securing federal, state, and local government contracting opportunities. We are here to help you navigate the government contracting learning curve and make the whole process a little easier.

FY16

- 269 active client base
- \$12,992,253 total dollar value of prime contract and subcontract awards received by all small business concerns
- 460 jobs created or retained

Seventeen years assisting clients:

- \$199,038,060 cumulative total of contract awards
- 11,245 cumulative total of attendees trained on procurement topics
- 3,981 jobs created or retained

Funding

Federal (DLA) \$185,848
State (WBC) \$133,887
UW also provides matching

Market Research Center (MRC)

The Wyoming Market Research Center is part of the Wyoming Small Business Development Center and it provides data to the SBDC as they assist clients. The Market Research Center offers a wide variety of research and information services to Wyoming businesses. All services are free of charge and enable businesses in Wyoming to access sophisticated resources that are normally not accessible to Wyoming businesses.

FY 16

364 clients assisted
610 projects researched

Fourteen years of assisting clients

4,510 clients assisted
8,852 projects researched

Clients assisted may cross over between SBDC and MRC due to referrals from other programs.

Funding

State (WBC) \$292,476
UW also provides match

Clients assisted may cross over between SBDC and MRC due to referrals from other programs.



Manufacturing-Works



The National Institutes of Standards and Technology is the federal partner offering the Manufacturing Extension Partnership, of which Wyoming's Manufacturing Works is a member. This program provides a set of specific services to assist manufacturing businesses (as determined by NAICS Code) throughout Wyoming.

FY 16

- \$15,056,500 capital impact
- \$306,050 decreased costs
- \$1,195,000 increased sales
- 82 jobs created or retained
- 262 clients assisted

21 years of assisting clients

- \$227,482,020 capital impact
- \$170,588,710 increased sales
- \$142,378,206 in decreased costs
- 2,442 jobs created or retained

Funding:

- Federal (NIST) - \$500,000
- State (WBC) - \$572,353



Wyoming SBIR/STTR Initiative



The Mission of the WSSI is to assist all qualified Wyoming small businesses and individuals in accessing the federal funding opportunities provided by the Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) Programs; ~\$2 billion annually.

Federal FY 2016

Total Federal \$1,759,849
Total awards 3 Phase I and 1 Phase II Awards

16 years of assisting clients

Total Federal \$54,013,092
Total awards 222 Phase I, II, and Phase III Follow-on funding

Funding*

State \$235,628

*only the federal Phase I and Phase II awards per www.SBIR.gov, http://www.nifa.usda.gov/funding/sbir/sbir_abstracts.html, and <https://sbir.nih.gov/statistics/award-data> made to Wyoming small technology businesses reported above, there is no federal administrative program available.

Wyoming Technology Transfer and Research Products Center

The RPC is the technology transfer office for the University of Wyoming and assists Wyoming entrepreneur or inventor across the state with questions regarding IP protection for technology. We will work closely and supportively with Wyoming citizens and companies to help them identify, protect and commercialize their intellectual property.

FY16

Source: USPTO

Total number of US patents issued/granted to UW: 151

Number off UW utility patents/issued/granted in 2016: 14

Number of UW patents filed, on average, for the past five years: 36.6

FY16

- 91 Independent Wyoming Inventor IP projects assisted and completed
 - 74 Invention disclosures and patent searches
 - 14 Trademark projects and trademark searches
 - 3 other IP projects (copyright and licensing terms research)
- 112 Individual inventors/entrepreneurs assisted
- 12 UWYO Law Student Interns (or recent law school graduates) employed, part-time

17 years of assisting clients

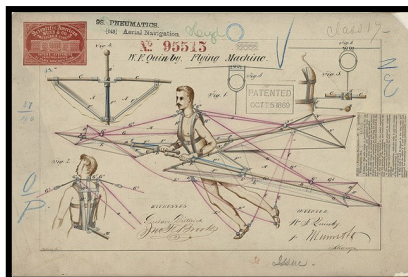
- over 1100 independent Wyoming inventor IP projects assisted/completed
- over 1000 Individual inventors/entrepreneurs assisted, and from every county in the State

Funding*

State \$75,795

UW provides salary and benefits for the state director,

*no federal program available, this program is unique to Wyoming



Wyoming Technology Business Center

The WTBC focuses on developing early stage, technology-based companies with an emphasis on high-growth firms.

One-on-one business counseling program

Executive coaching services

Incubator/Outreach (Laramie and Statewide)

e2e events - statewide networking opportunities

Business development program, 30,000 sq. ft. facility with:

State-of-the-art data center

Office space, laboratories

Shared conference room space for client companies

State-of-the-art data center

Calendar Year 2016 (As of October 2016)

- WTBC Laramie-13 clients
- WTBC Casper-Area-9 clients
- WTBC Sheridan-Area-5 clients

Incubator Client 2015 Economic Impact Survey

- 3 Incubator Locations
- 22 WTBC incubator clients
- [88 FTE employees](#)
- [\\$2.8M total WTBC incubator client payroll](#)
- [\\$6.3M WTBC incubator client annual revenue](#)
- [22 SBIR grants received since founding](#)
- [77 patents filed since founding](#)

WTBC Client Graduate Results

- 9 WTBC incubator graduates
- [125+ WTBC incubator graduate FTE employees](#)
- 21,500 sq. ft. office space occupied by WTBC graduates

Outreach:

- e2e Wyoming events Laramie, Casper, and Sheridan
- [6,000+ total attendees from 2009-2015](#)
- Notable speakers from: BD, Autodesk, American Express, Yahoo!, ambreenergy, WTBC Incubator graduate – Jared Stack



UW/WBC Business Resource Network Program Combined Impact over Life of Programs (through FY16)

Capital Impact Since Program Inception	
Small Business Development Center (SBDC)	\$243,352,373
Wyoming Procurement Technical Assistance Center (PTAC)	\$199,038,060
Wyoming SBIR/STTR Initiative (WSSI)	\$54,013,092
Manufacturing Works (M-W)	\$227,482,020
TOTAL Program Impact	\$723,885,545

Jobs Created or Retained Since Program Inception	
Small Business Development Center (SBDC)	13,654
Wyoming Procurement Technical Assistance Center (PTAC)	3,981
Manufacturing Works (M-W)	2,442
TOTAL Program Impact	20,077



Fiscal Year (FY) 2016 spans the period July 1, 2015 through June 30, 2016.

Agency Abbreviations

NSF: National Science Foundation
NASA: National Aeronautics and Space Administration
EPA: Environmental Protection Agency
NARA: National Archives and Records Administration
DHHS: Department of Health and Human Services
HUD: Department of Housing and Urban Development
UDSA: Department of Agriculture
NEAH: National Endowment for the Arts and the Humanities
SBA: Small Business Administration
VA: Department of Veteran Affairs

Department Abbreviations:

ASUW: Associated Students of the University of Wyoming (Student Government)
EPSCOR: Experimental Program to Stimulate Competitive Research
EORI: Enhanced Oil Recovery Institute
UW-NPS: University of Wyoming-National Park Service Research Center
SBDC: Small Business Development Center
WYNDD: Wyoming Natural Diversity Database
IENR: Institute of Environment and Natural Resources
WYGISC: Wyoming Geographic Information Science Center
AHC: American Heritage Center
SER: School of Energy Resources
CRHRE: Center for Rural Health Research and Education
MEPH: Medical Education and Public Health
WWAMI: Washington, Wyoming, Alaska, Montana, and Idaho
GME: General Medical Education

Other Abbreviations:

Inst: Institute
Dept: Department
Natl: National

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