

# NC State University Peer Comparison of Research Data

## Research Expenditures

Research and Development Expenditures by Source  
 Total Research and Development Expenditures  
 NC State's Total Research and Development Expenditures over time  
 Total Federal Research & Development Expenditures  
 NC State's Total Federal Research & Development Expenditures over time  
 Total Non-Federal Research & Development Expenditures  
 NC State's Total Non-Federal Research & Development Expenditures over time  
 Total State & Local Research & Development Expenditures  
 NC State's Total State & Local Research & Development Expenditures over time  
 Total Industry Research & Development Expenditures  
 NC State's Total Industry Research & Development Expenditures over time  
 Total Institutional Research & Development Expenditures  
 NC State's Total Institutional Research & Development Expenditures over time  
 Total Current Fund Expenditures for Research Equipment  
 NC State's Total Current Fund Expenditures for Research Equipment over time

## Patents

Licensing Revenues and Patent Activity

## Academic Institution, Campus Level (survey-specific):

*Colorado State U., Ft. Collins, Georgia Institute of Technology, Iowa State U., Michigan State U., North Carolina State U., Ohio State U., Pennsylvania State U. U. Park and Hershey Medical Center, Purdue U., West Lafayette, Rutgers, State U. New Jersey, New Brunswick, Texas A&M U., College Station, U. Illinois, Urbana-Champaign, U. Maryland, College Park, U. North Carolina, Chapel Hill, U. Wisconsin, Madison, U. of Arizona, U. of California, Davis, U. of Florida, Virginia Polytechnic Institute and State U.*

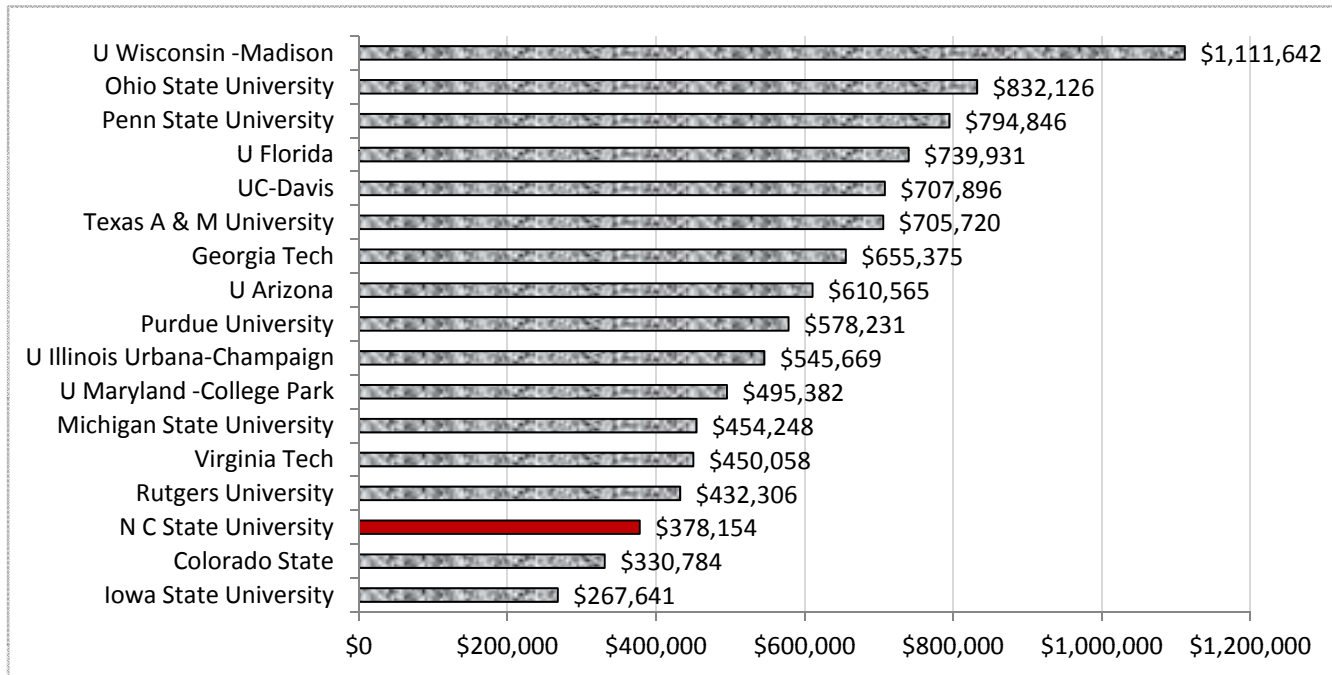
## 2011 R&D Expenditures, By Source, Ranked by Total (Dollars in Thousands)

Institution	Federally Financed	State & Local Financed	Business Financed	Nonprofit Financed	Institution Financed	Other	Total
U Wisconsin -Madison	\$593,633	\$102,632	\$27,968	\$125,092	\$220,150	\$42,167	\$1,111,642
Ohio State University	\$493,130	\$100,880	\$103,564	\$26,048	\$94,524	\$13,980	\$832,126
Penn State University	\$468,705	\$56,019	\$64,650	\$40,378	\$161,355	\$3,739	\$794,846
U Florida	\$306,349	\$98,191	\$23,031	\$26,644	\$280,507	\$5,209	\$739,931
UC-Davis	\$362,976	\$60,252	\$36,712	\$66,175	\$146,170	\$35,611	\$707,896
Texas A & M University	\$291,812	\$131,925	\$54,880	\$35,839	\$186,541	\$4,723	\$705,720
Georgia Tech	\$427,867	\$10,916	\$42,190	\$12,728	\$157,968	\$3,706	\$655,375
U Arizona	\$327,565	\$31,347	\$17,485	\$26,489	\$183,359	\$24,320	\$610,565
Purdue University	\$259,948	\$59,571	\$28,656	\$37,717	\$190,428	\$1,911	\$578,231
U Illinois Urbana-Champaign	\$323,454	\$33,648	\$34,639	\$8,094	\$135,134	\$10,700	\$545,669
U Maryland -College Park	\$338,780	\$11,201	\$6,133	\$2,597	\$129,375	\$7,296	\$495,382
Michigan State University	\$240,837	\$44,915	\$3,566	\$14,193	\$136,895	\$13,842	\$454,248
Virginia Tech	\$189,198	\$108,768	\$22,777	\$19,019	\$107,683	\$2,613	\$450,058
Rutgers University	\$239,908	\$59,210	\$15,193	\$19,965	\$85,581	\$12,449	\$432,306
<b>N C State University</b>	<b>\$155,293</b>	<b>\$95,505</b>	<b>\$40,750</b>	<b>\$3,823</b>	<b>\$82,621</b>	<b>\$162</b>	<b>\$378,154</b>
Colorado State	\$236,566	\$19,601	\$8,094	\$11,827	\$48,240	\$6,456	\$330,784
Iowa State University	\$117,522	\$40,899	\$20,650	\$7,082	\$80,125	\$1,363	\$267,641

Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

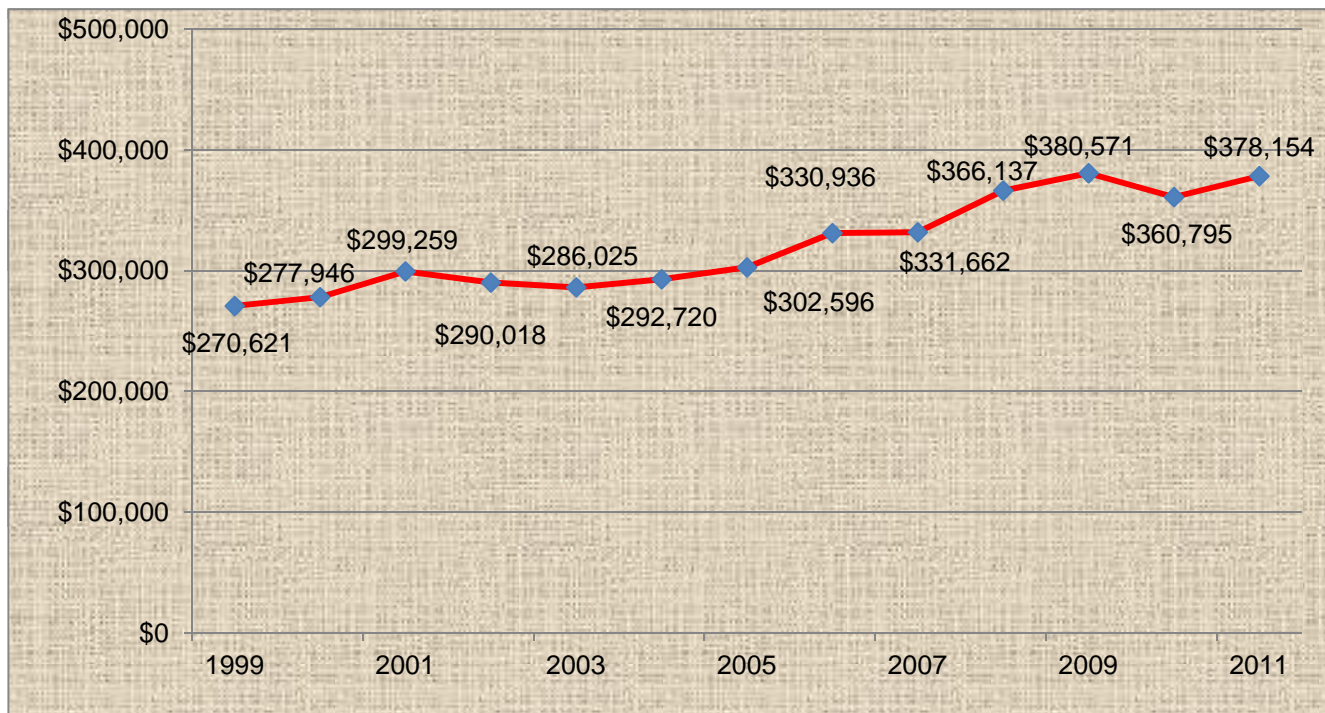
# NC State University Peer Comparison of Research Data

## 2011 Total Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

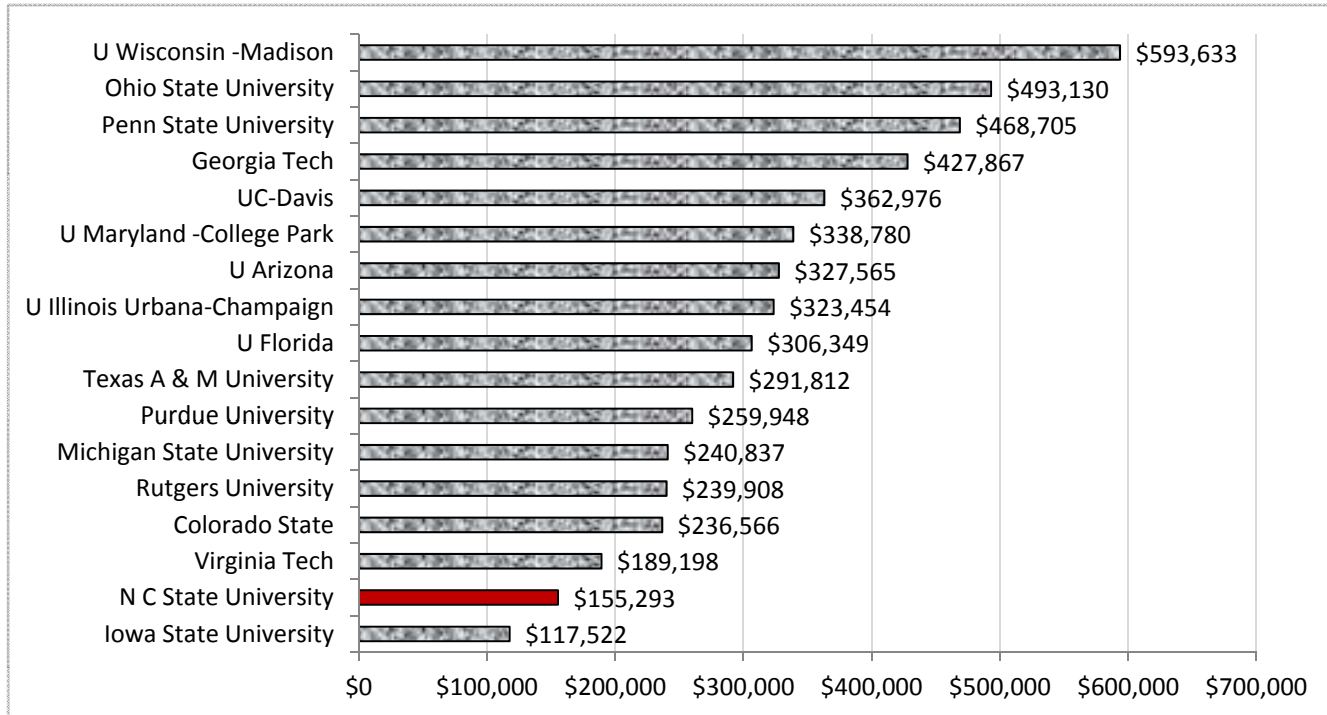
## NC State's Total Research & Development Expenditures Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

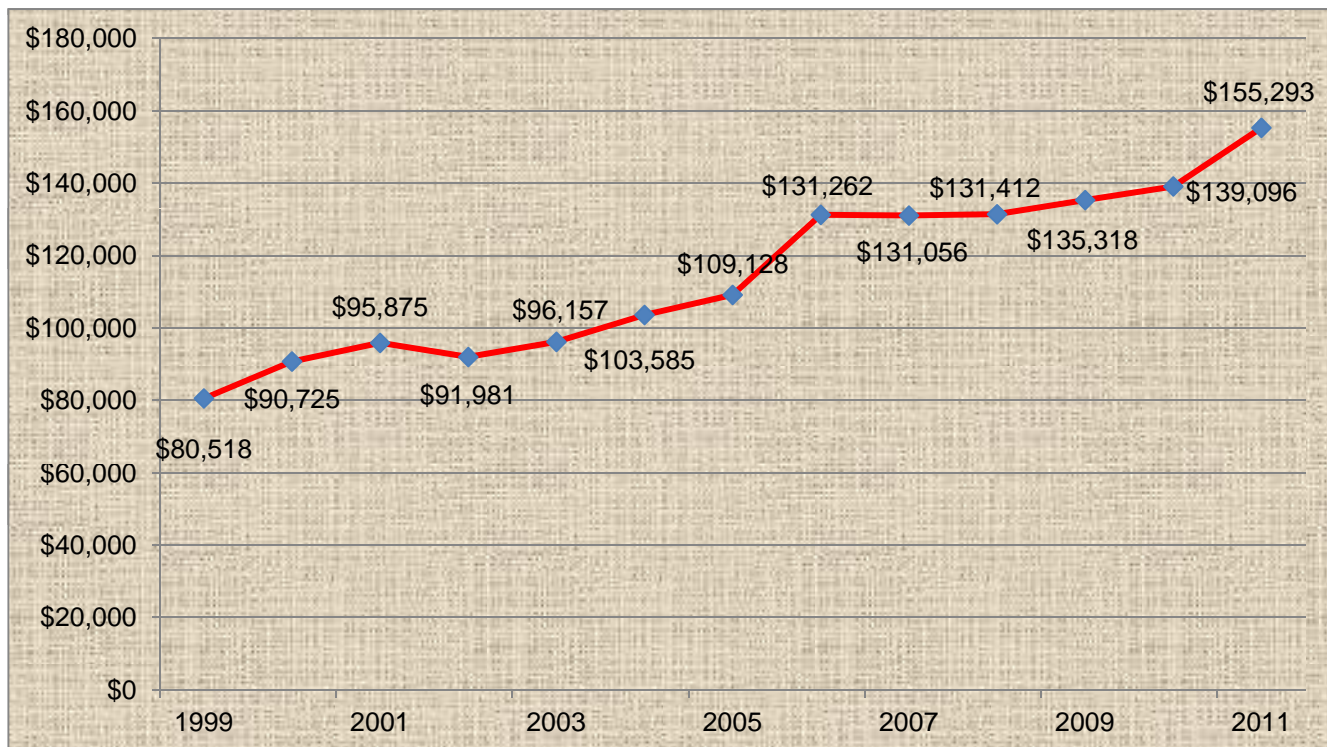
# NC State University Peer Comparison of Research Data

## 2011 Federal Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

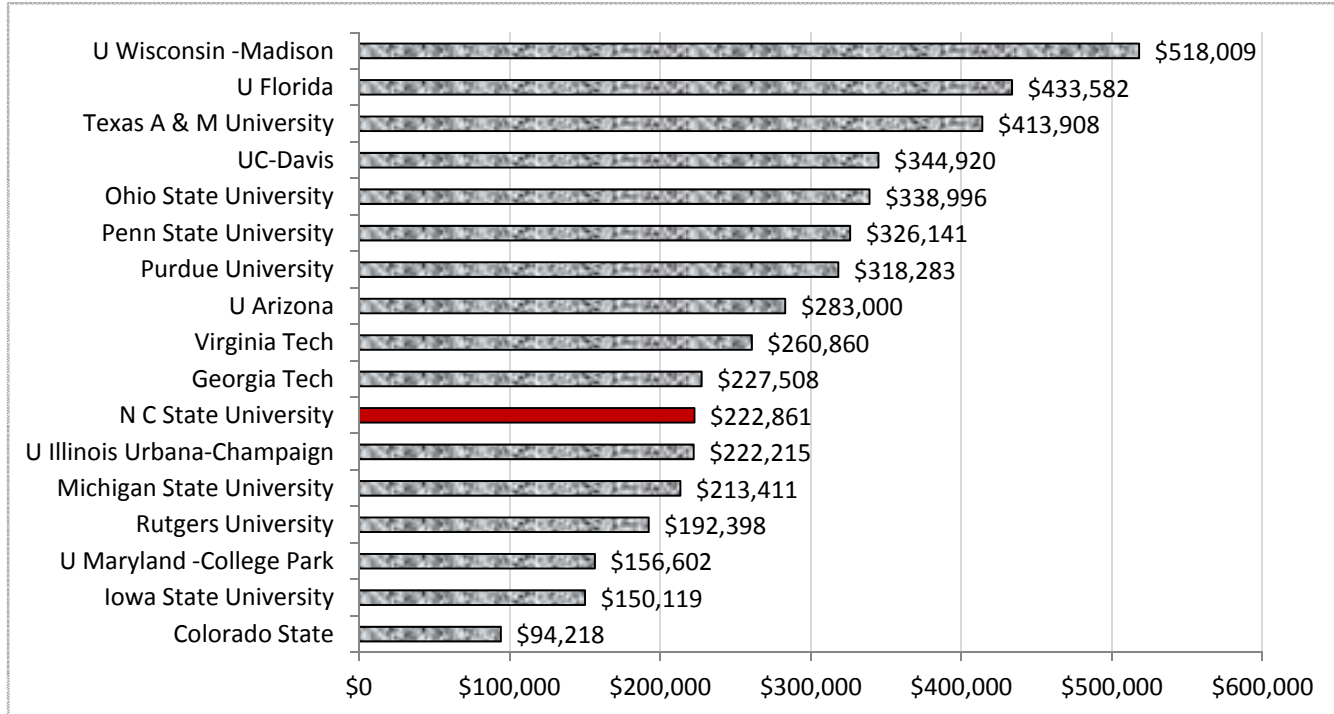
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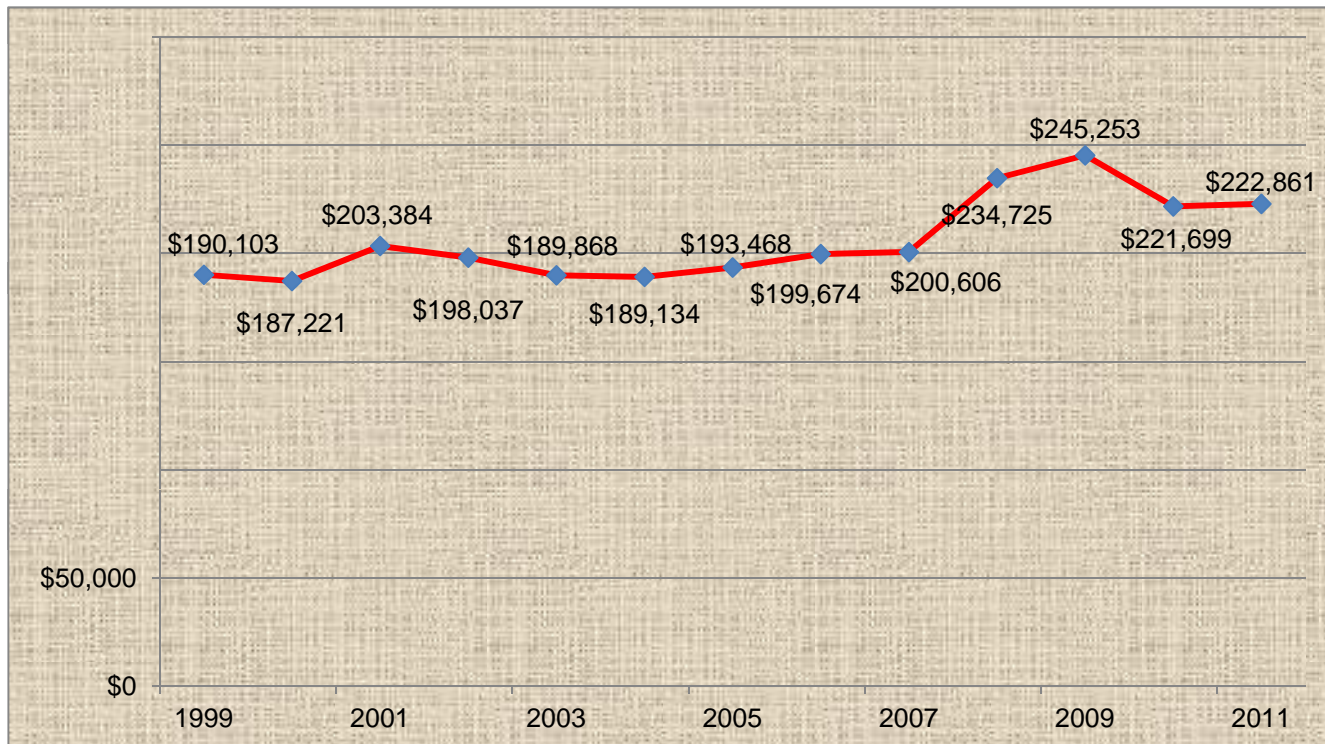
# NC State University Peer Comparison of Research Data

## 2011 Non-Federal Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

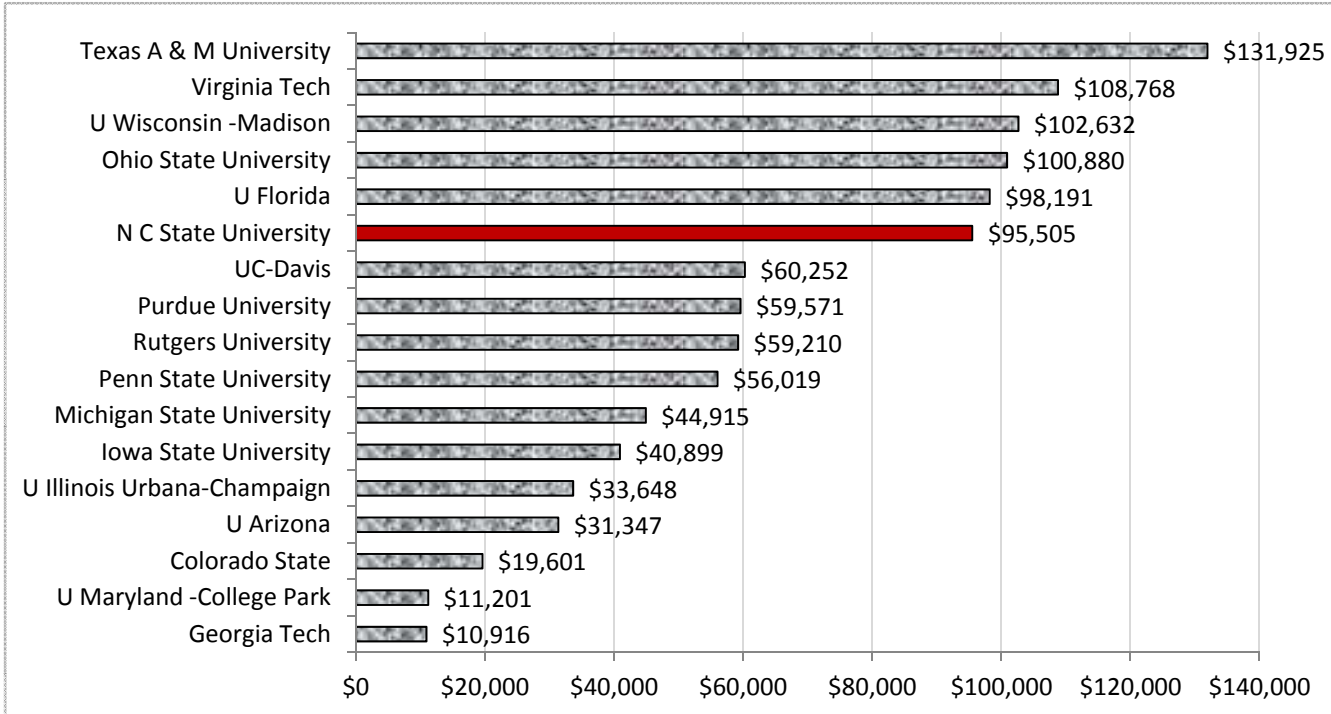
## NC State's Total Non-Federal Research & Development Expenditures Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

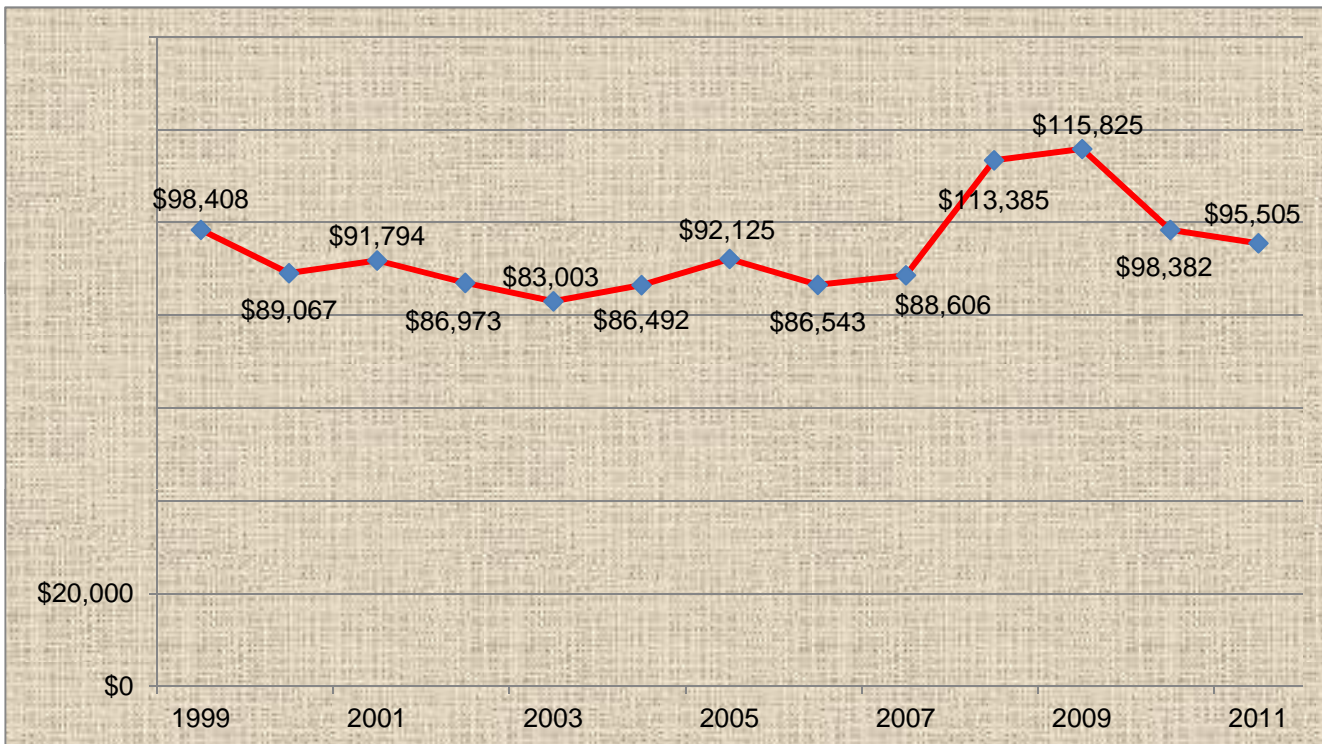
# NC State University Peer Comparison of Research Data

## 2011 State and Local Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

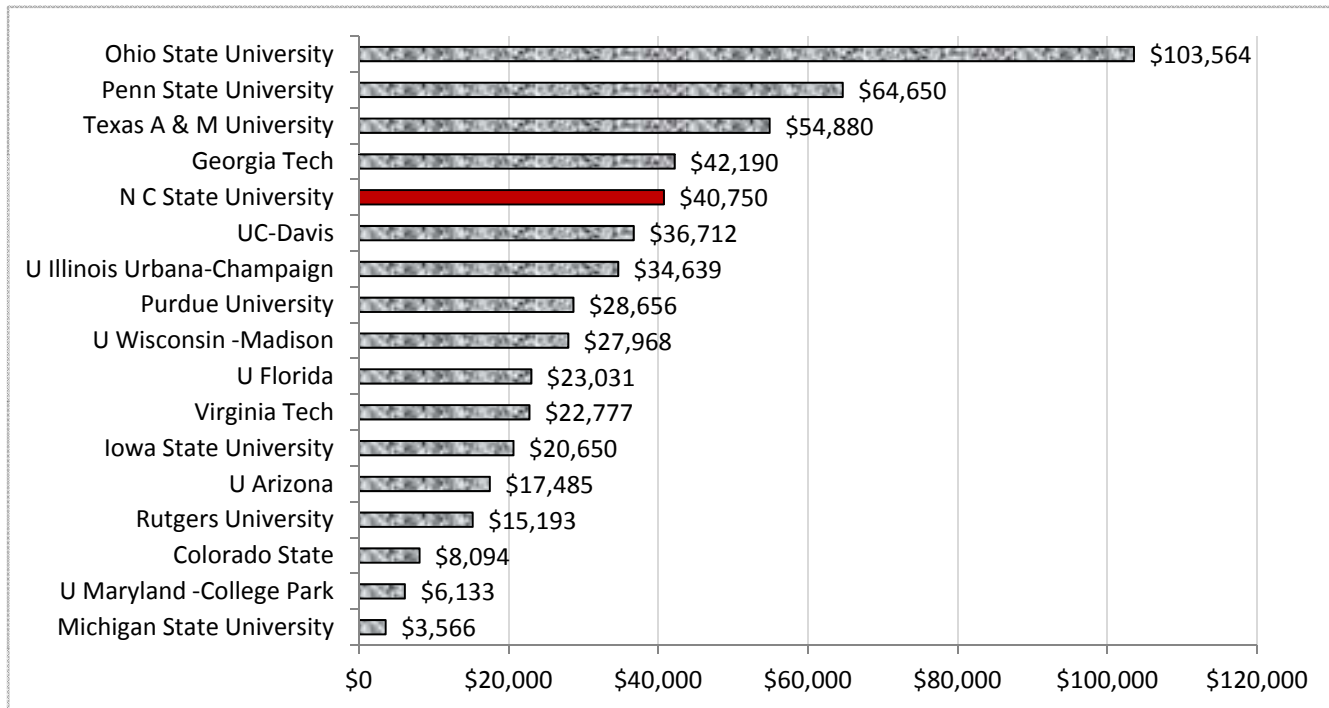
## NC State's Total State & Local Research & Development Expenditures Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

## NC State University Peer Comparison of Research Data

### 2011 Total Business Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

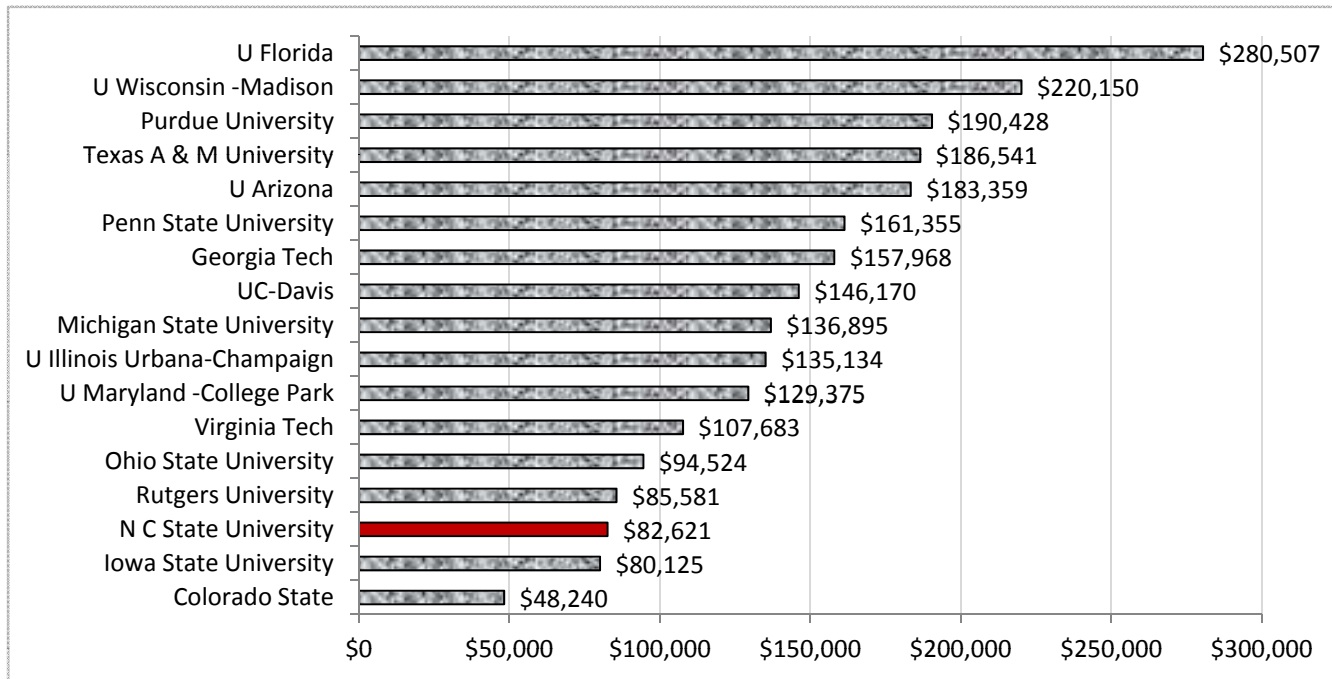
### NC State's Business Research & Development Expenditures Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

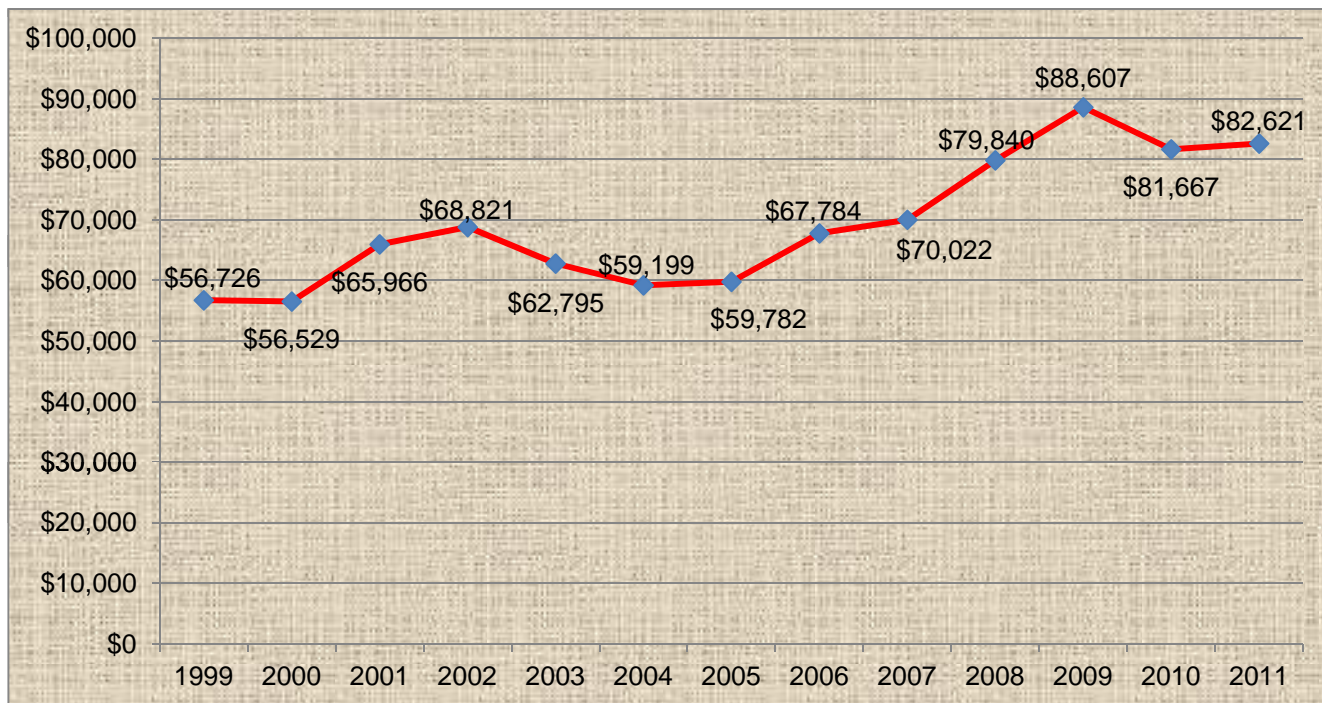
# NC State University Peer Comparison of Research Data

## 2011 Total Institutional Research & Development Expenditures (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

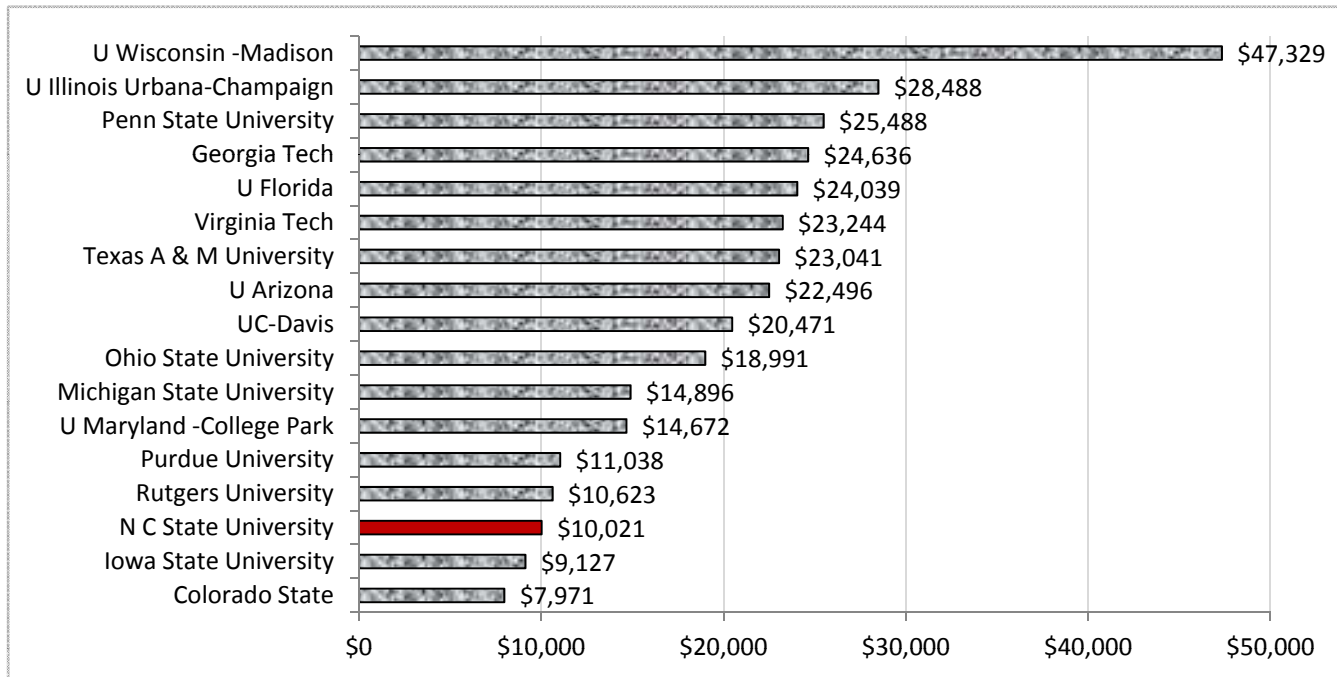
## NC State's Total Institutional Research & Development Expenditures Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

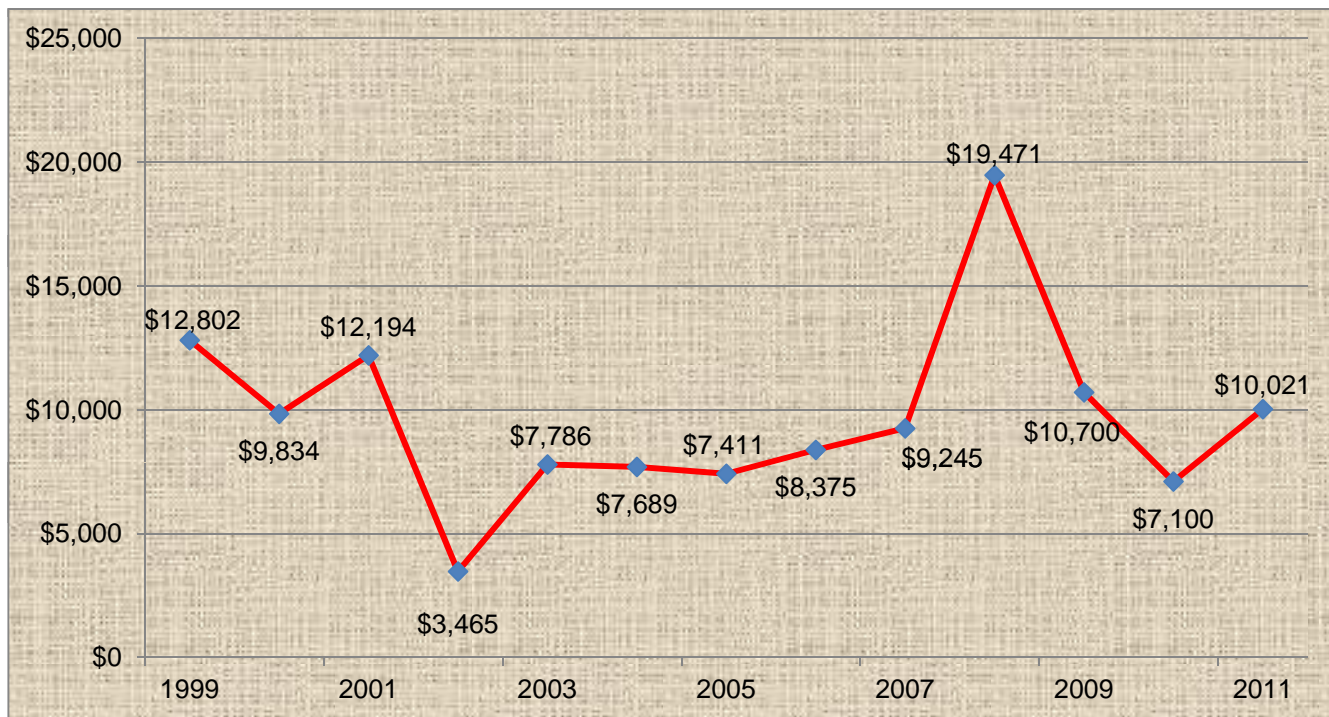
# NC State University Peer Comparison of Research Data

## 2011 Total Research & Development Expenditures for Equipment (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)

## NC State's Expenditures for Research Equipment Over Time (Dollars in Thousands)



Source: National Science Foundation/Division of Science Resources Studies, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2011. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)



## NC State University Peer Comparison of Research Data

### Licensing Revenues and Patent Activity for Fiscal 2011 Ranked in order of US Patents Issued

Institution	US Patents Issued	Licensing Income	Startup Companies	U.S. patent applications filed	Licenses and options executed	Total research spending
U California System	343	\$182,049,620	58	81	292	\$5,418,601,941
U Wisconsin -Madison	156	\$57,730,000	4	76	62	\$1,111,641,832
U Illinois Urbana-Champaign	93	\$17,424,376	21	84	100	\$926,497,000
U Florida	86	\$29,493,522	12	69	131	\$559,156,034
Georgia Tech	79	\$3,894,370	5	87	78	\$714,760,299
U Maryland System	77	\$1,299,608	6	84	29	\$1,065,903,428
Purdue University	57	\$5,836,669	7	79	64	\$600,477,000
<b>N C State University</b>	<b>51</b>	<b>\$5,186,844</b>	<b>4</b>	<b>71</b>	<b>86</b>	<b>\$378,154,000</b>
Michigan State University	38	\$3,615,627	1	69	40	\$356,765,036
Penn State University	37	\$2,947,261	5	76	23	\$804,789,000
Ohio State University	30	\$1,420,007	6	81	25	\$823,125,558
Rutgers University	30	\$5,978,693	8	79	75	\$473,159,000
Virginia Tech	26	\$1,815,665	1	73	24	\$247,777,462
Iowa State University	25	\$11,307,534	2	75	46	\$300,393,610
U Arizona	19	\$981,495	8	71	80	\$610,565,000
Texas A & M University	18	\$9,264,041	4	73	67	\$705,720,000
Colorado State	17	\$1,311,129	5	71	31	\$330,783,824

Source: Association of University Technology Managers. For more information e-mail: [Lewis\\_Carson@ncsu.edu](mailto:Lewis_Carson@ncsu.edu)