



**NC STATE**

THINK AND DO  
THE EXTRAORDINARY

# **Administrative Leadership Meeting**

Randy Woodson

Chancellor

Tuesday, September 12, 2023

# Upcoming ALMs

November 7

Strategic Plan Report  
Card

Titmus

January 9

Transforming University  
Operations and Improving  
Effectiveness

Titmus



# Integrative Sciences Building

- Groundbreaking Ceremony
- Construction Impacts

[go.ncsu.edu/isb-livestream](https://go.ncsu.edu/isb-livestream)

# Board of Trustees Updates

- House and Senate Appointments
- Possible Expansion
- Watauga Medal Ceremony



# External Affairs, Partnerships and Economic Development

Kevin Howell  
Vice Chancellor

NC State was founded with a purpose:  
**to create economic, societal and  
intellectual prosperity** for the people  
of North Carolina and the country.



**\$6.5 Billion+**

Annual Economic Impact  
in North Carolina



EAPED works with a variety of internal and external constituencies to advocate for NC State in achieving its three-tiered mission of teaching, research, and extension and engagement.

# EAPED Leadership

- **Kevin Howell**, Vice Chancellor, EAPED
- **Julie Smith**, Associate Vice Chancellor, EAPED
- **Mark Schmidt**, Associate Vice Chancellor, Partnerships
- **Tom White**, Director, Economic Development
- **Byron Hicks**, Assistant Vice Chancellor / State Director, SBTDC
- **Matt Peterson**, Director, Federal Affairs





# EAPED Impact at a Glance (FY 22-23)

## Partnerships

**44%**

Increase in  
Industry Funding  
(\$32M)

## Economic Development

**4,835**

Jobs  
Created

## SBTDC

**325**

Businesses  
Started

## State Relations

**\$550M**

House and Senate  
Budget Proposals  
(Still Pending)

## Federal Affairs

**\$72M**

Increased  
Appropriations



# State and Local Relations

- Represent the university and effectively advocate on its behalf by sharing priorities and campus concerns with the North Carolina General Assembly, Council of State, Raleigh City Council, Wake County Commissioners, as well as numerous other elected officials and external stakeholders throughout the state.
- Assist in facilitating the development, implementation, and advocacy of NC State's legislative agenda.
- Monitor, inform, and influence public policy with timely reporting to a variety of internal and external constituencies.

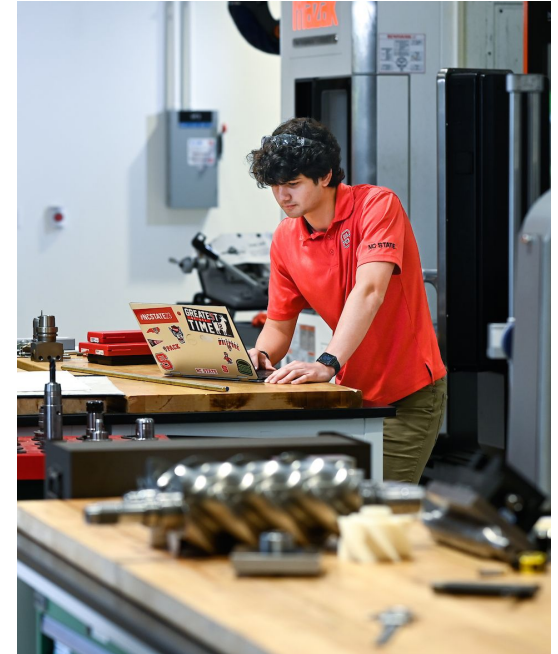


# 2023 Long Session

- Session Begins – January 11th/January 25th
- Governor's Recommended Budget – March 15th
- House Budget Proposal – March 29th
- Crossover – May 4th
- Senate Budget Proposal – May 15th
- Conference Committee – June 1st/June 5th
- Budget Wrap Up Anticipated – Week of September 11th

# House Bill 259, 2023 Appropriations Act

- Engineering NC's Future\*
  - \$10m R
- Veterinary Medicine Class Size Expansion\*
  - \$5.5m R
- Education and Workforce Training for Individuals with Disabilities
  - \$3m NR in each year of the biennium (\$6m total)



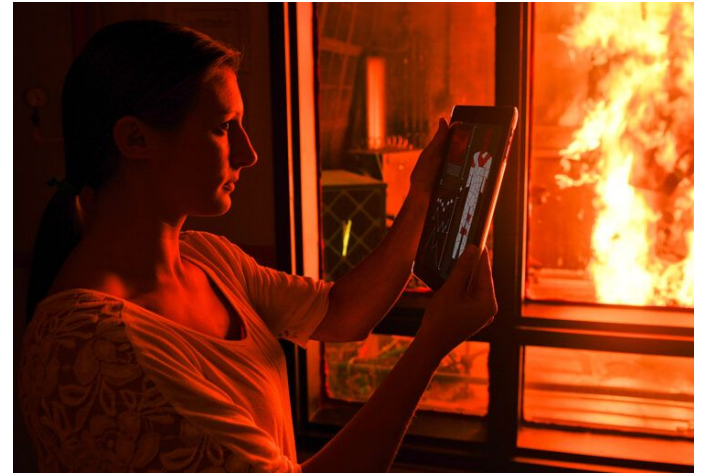
# House Bill 259, 2023 Appropriations Act

- NC Future Farmers of America Career and Technical Education Grants
  - \$2m NR in each year of the biennium (\$4m total)
- Small Business and Technology Development Center (SBTDC)
  - \$1.5m R
- NC Clean Energy Technology Center
  - \$400k NR



# House Bill 259, 2023 Appropriations Act

- Textile Protection and Comfort Center (TPACC)  
Mist Lab Renovation
  - \$2.5m NR
- Agricultural Research Platform
  - \$1m R
- Christmas Tree Genetics Program
  - \$269,635 R



# House Bill 259, 2023 Appropriations Act

- Capital
  - Engineering Classroom Building
    - \$200m NR
  - Large Animal Hospital
    - \$70m NR (\$120m total project authorization)
  - STEM/Integrative Sciences Building\*
    - \$28m NR (\$180m total project authorization, \$90m total commitment from the State)





# House Bill 259, 2023 Appropriations Act

- Dabney Hall Phase 2 Renovation
  - \$80m NR (\$140m total)
- Polk Hall Phase 2 Renovation
  - \$63m NR (\$73m total)
- Mann Hall Phase 2 Renovation\*
  - \$30m NR (\$41.5m total)
- New College of Management Planning Funds
  - \$4.5m NR



# Partnerships

- Established to serve as a catalyst in the early days of Centennial Campus development, the Partnerships Office has evolved to grow industry, government and nonprofit partnerships both on Centennial and across NC State.
- Develop long-term, multidisciplinary strategic collaborations across industry sectors with global organizations ranging from early-stage startups to Fortune 500 companies.
- Build on the success of Centennial Campus to create innovative partnerships that will launch new ideas, companies and jobs.



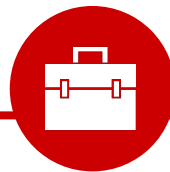
## Office of Partnerships – 5-Year Impact



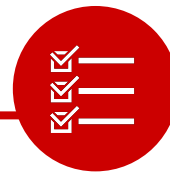
**60**  
New  
Partners



**\$128M**  
Industry  
Funding



**2,000+**  
Students  
Hired

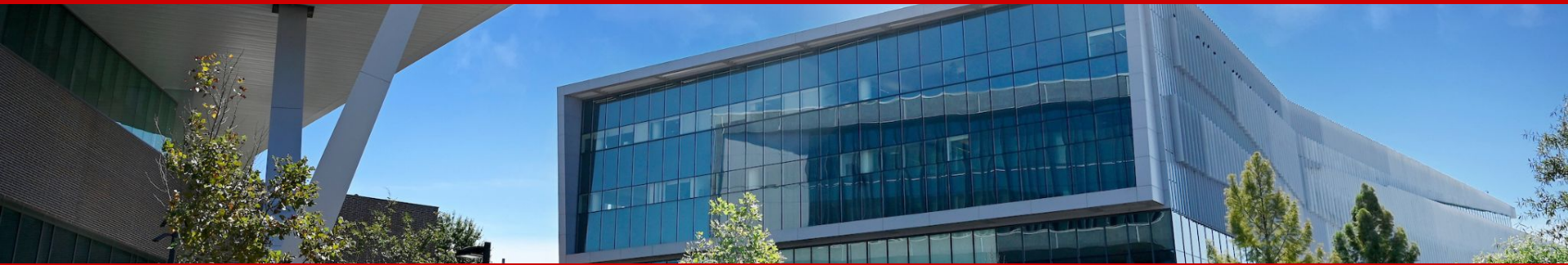


**8**  
MRAs  
Signed

# Our Partners



*\*This graphic does not represent all NC State industry partners.*



# Partnership Opportunities



## Talent

Connect with students for internships, co-ops and full-time hires; collaborate with faculty subject matter experts.



## Research and Development

Engage with faculty and students through sponsored research collaborations and Senior Design Projects.



## Branding

Support student and faculty development and recruit new talent by sponsoring campus programs and initiatives.



## Specialized Equipment and Space

Access a community of industry, government and academic partners co-located on NC State's Centennial Campus.



## License Technology

Explore emerging technologies developed alongside expert researchers.



# EASTMAN

**114** Funded projects

**70** Co-op students

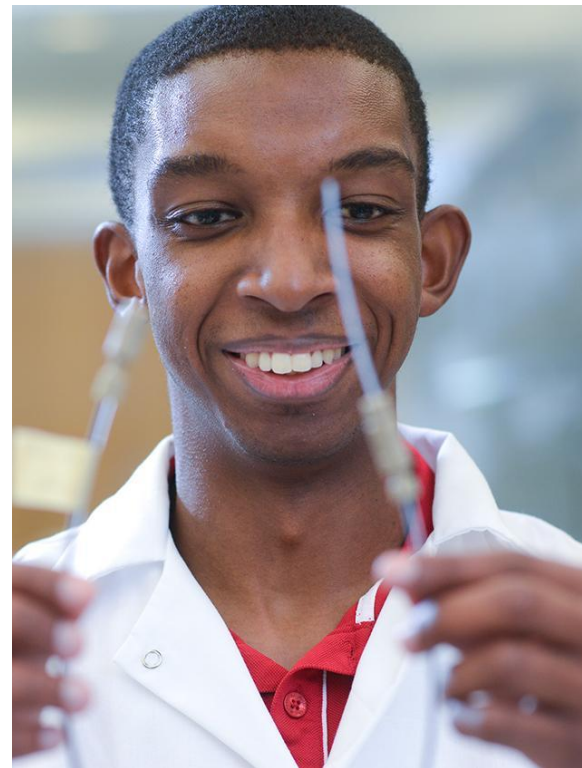
**39** Graduates hired

**45** Invention disclosures

**\$20M** Invested in research

**“My internship with Eastman led me to apply for the Marshall Scholarship and pursue a Ph.D.”**

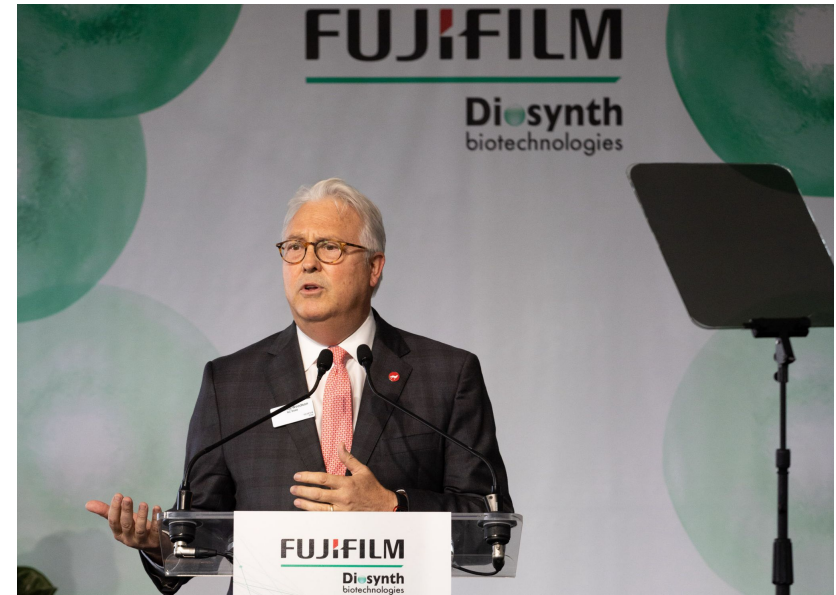
– Kobi Felton, '18 B.S. in Chemical Engineering, NC State  
'22 Ph.D., University of Cambridge







- Announced strategic partnership and co-signed a master research agreement (MRA) to increase talent and research collaborations (November 2022).
- Through BTEC, NC State has provided advanced training to 200+ employees.
- Research collaborations with College of Design on a sustainable site development plan for the new \$2B Holly Springs campus.



novo  
nordisk  
fonden

- NC State is leading an interdisciplinary research collaboration with the Technical University of Denmark. Funded by \$6.6M from NNF, researchers are developing new technologies to advance global sustainability solutions.
- This is the third NNF-sponsored research collaboration, building on the success of the CCRP and AIM-Bio projects. NC State-led projects funded by NNF now total more than \$60M.



**“Solutions to complex global challenges require interdisciplinary public-private partnerships. The BIG Collaboration is a unique opportunity for NC State to make a significant impact on society.”**

– Chancellor Woodson



- In December 2022, Under Armour signed a master research agreement (MRA) with NC State and opened an innovation center on Centennial Campus.
- Collaborations underway with faculty and students across the Wilson College of Textiles, Nonwovens Institute and College of Design to innovate fabric design and apparel sustainability. Under Armour is investing more than \$1M this year, with plans to expand that commitment annually.



**“Partnering to advance industry-leading innovation is a key win for both Under Armour and NC State. Under Armour is proud to work with NC State to identify opportunities to improve athletic performance apparel and footwear.”**

– Stephanie Linnartz, President and CEO

# Economic Development

- Work across the state to attract new businesses and industries to North Carolina, partnering closely with the N.C. Department of Commerce, the Economic Development Partnership of North Carolina (EDPNC), and local and regional economic development organizations.



**28,690**  
New Jobs

*N.C. Department of Commerce, 2022*

**\$19 Billion**  
Investments



**#1 State**  
for Business

*CNBC, 2022 and 2023*



**TOYOTA**



**BOOM**



# Recent Collaboration Examples

**TOYOTA**

- December 2021 – 2,100 jobs and \$5.9B investment, Greensboro
- Industrial and Systems Engineering, Center for Additive Manufacturing and Logistics (CAMAL), NC Japan Center

**BOOM**

- January 2022 – 1,750 jobs and \$500M investment, Greensboro
- Mechanical and Aerospace Engineering

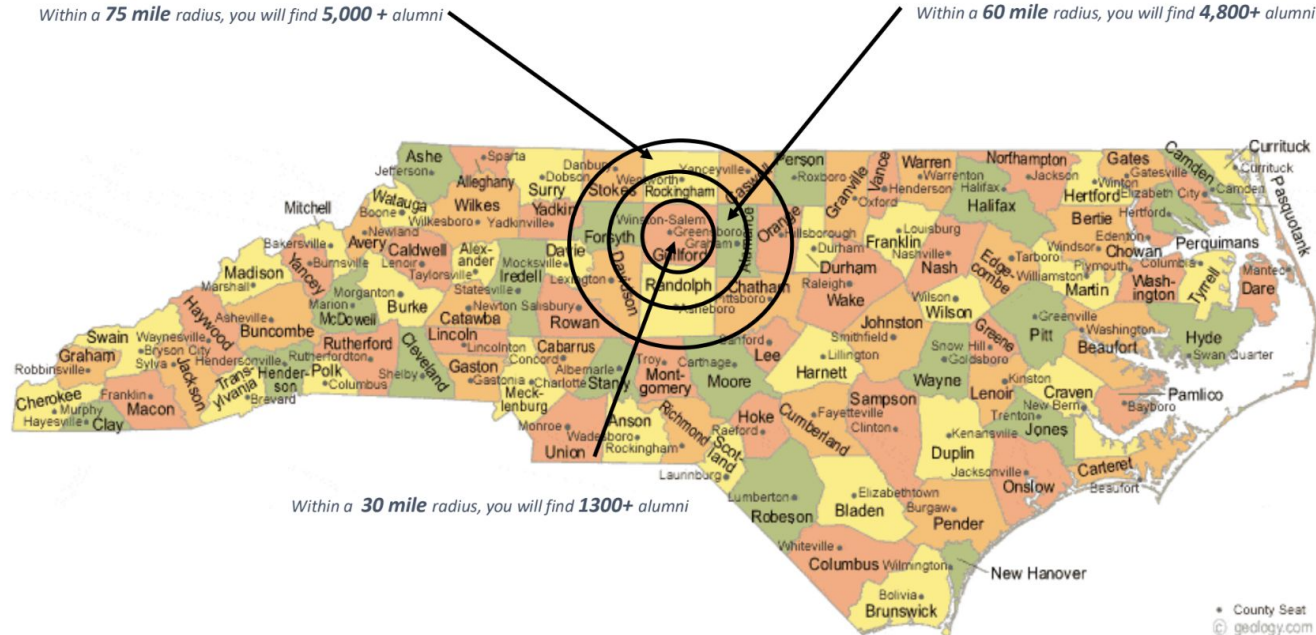


- March 2022 – 7,500 jobs and \$4B investment, Chatham County
- Industrial and Systems Engineering, Smart Manufacturing Innovation Center



- September 2022 – 1,800 jobs and \$5B investment, Chatham County
- Electrical and Computer Engineering, Nanofabrication Facility

# Labor Draw: NC State Electrical, Industrial and Mechanical Engineering Alumni





# North Carolina Workforce Development Leadership Initiative

- Professional development program providing training, education and resources for workforce development leaders across North Carolina.
- Builds stronger collaborations between local workforce and economic developers.
- Directly aligns with the NC Department of Commerce's First in Talent plan.



NC STATE UNIVERSITY  
Institute for  
Emerging Issues

NC STATE

External Affairs, Partnerships  
and Economic Development

NC STATE

Municipal Research Lab

NC STATE

Continuing and Lifelong Education



## Small Business and Technology Development Center (SBTDC)

- Helping North Carolina small- and mid-sized businesses grow and create jobs for nearly 40 years.
- Over the last decade, SBTDC provided service to 39,476 businesses, including 525,525 hours of no-cost advisory services, resulting in:



**27,292**

Jobs  
Created



**\$1.12B**

Capital  
Formation



**\$912M**

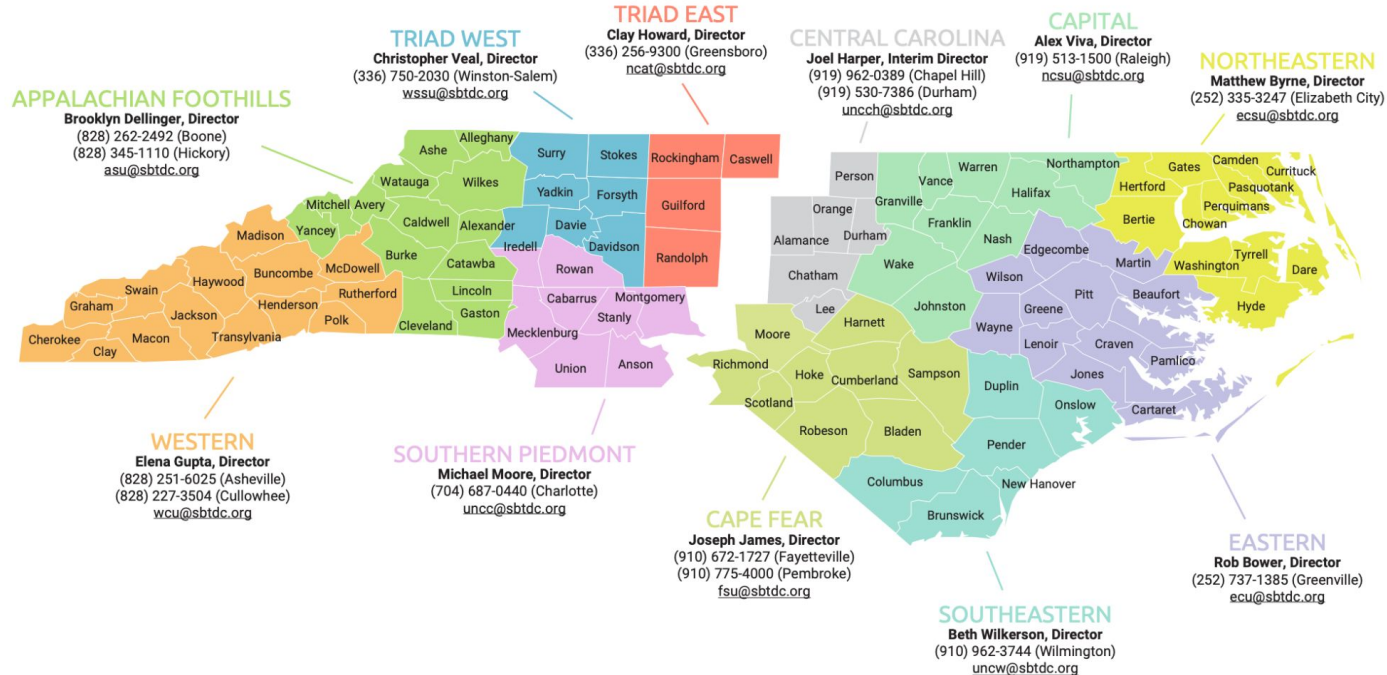
Sales  
Increases



**1,393**

New  
Businesses

# SBTDC Regional Centers



# SBTDC Client Success Story: Sciencix

- SBTDC's business counseling services boosted Sciencix's export sales from 10% in 2022 to 33% in 2023. Today, the company's products support research laboratories in more than 100 countries, spanning all continents.
- March 2023: Sciencix was named the SBA's Exporter of the Year, including a visit to the White House where they were honored with the award during National Small Business Week.



# Federal Affairs



- Increase understanding of and support for NC State's federal agenda, primarily focusing on NC State's federal research initiatives.
- Expand the visibility of NC State to members of Congress, congressional staff, agency officials, committee staff and other universities and university associations.
- Communicate to internal stakeholders contemplated federal policy changes.
- Conduct federal agency and congressional advocacy including testimony, "Hill Days" and other policy initiatives.

# FY 2023 and 2024 Initiatives

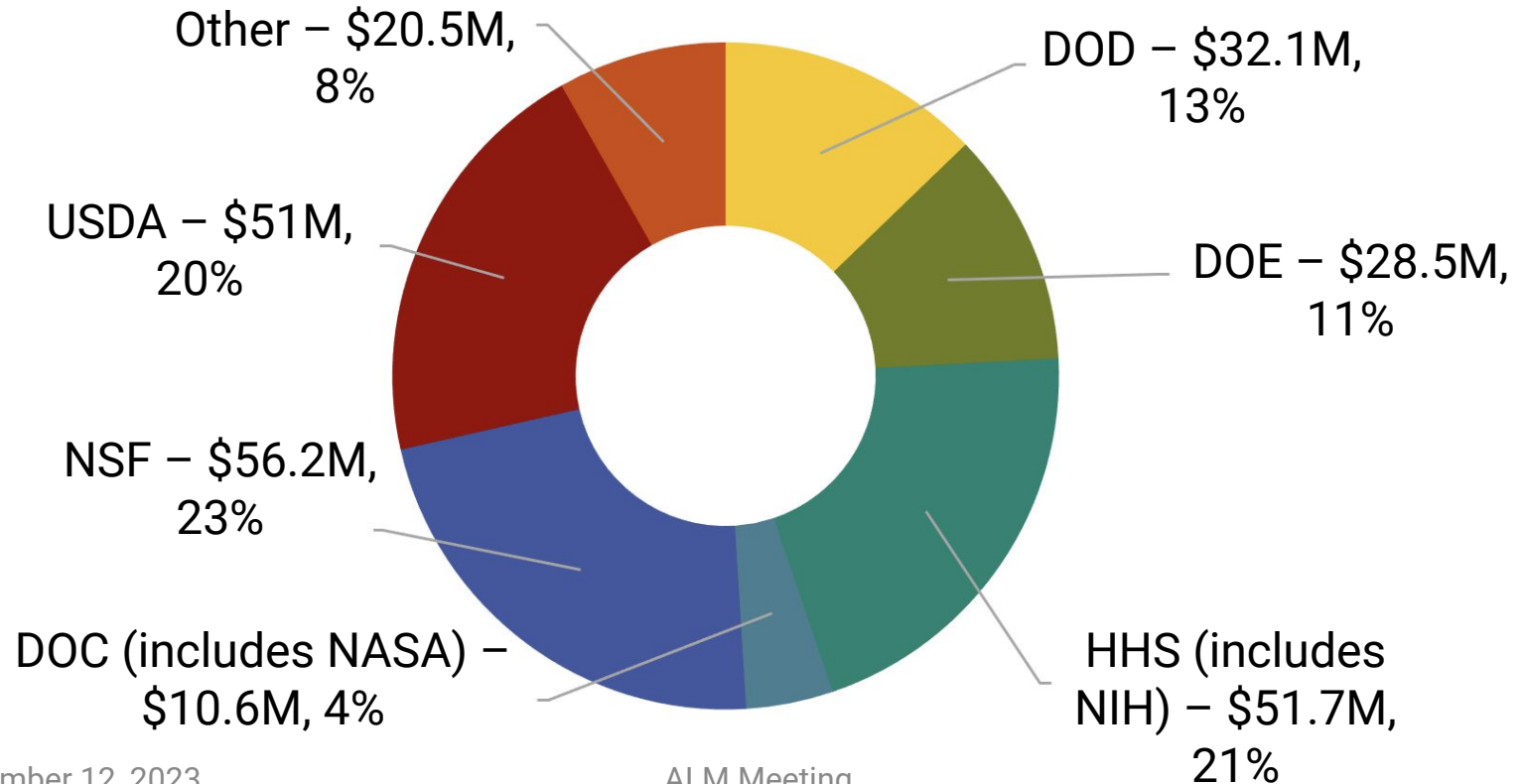
- Army Futures Command Research Partnership
- High Entropy Ceramics for Hypersonic Applications (Navy)
- Perovskites For Soldier Mobility (Army)
- Department of Energy (DOE) PowerAmerica Renewal
- DSIRE Database (DOE) Support – NC State Clean Energy Tech Center
- Central Crops Research Station Improvements – U.S. Department of Agriculture (USDA)
- Food Animal Residue Avoidance Database – USDA



# Policy/Authorization Issues

- Farm Bill Renewal: 5 Year Farm Bill is up for renewal and expires on September 30th
- Artificial Intelligence: Bipartisan focus and Senate stakeholder engagement
- Athletics: Name, image, likeness (NIL) regulation/federal safe harbor/athlete wellness
- National Defense Authorization Act: House and Senate have very significant differences
- Appropriations/Continuing Resolution: Deadline of September 30th

## Federal Research Expenditures by Agency (FY22) – \$250M



# FY 2024 Federal Appropriations – Research

FY 2024 Appropriations (Millions)	FY 2022	FY 2023	FY 2024 President's Request	FY 2024 House	% from 2023	FY 2024 Senate	% from 2023	FY 2024 Final
NSF	\$8,838	\$9,870	\$11,300	\$9,630	-2%	\$9,500	-4%	
DOE Office of Science	\$7,475	\$8,100	\$8,800	\$7,380	-9%	\$7,340	-9%	
DOD 6.1 Research	\$2,753	\$2,920	\$2,480	\$2,536	-13%			
NIH	\$45,184	\$47,459	\$48,265	\$43,000	-9%	\$48,265	1.9%	
NEA (Arts)	\$180	\$207	\$211	\$186	-10%	\$207	0%	
NEH (Humanities)	\$180	\$207	\$211	\$186	-10%	\$207	0%	
NOAA Oceanic and Atmospheric	\$599	\$661	\$691			\$661	0%	
NIST Manufacturing Extension	\$158	\$175	\$277			\$175	0%	

# Federal Student Financial Aid 2022-23

- **Pell Grant**
  - \$27.2 Million
  - 21% of undergraduate population
- **Federal Work-Study**
  - \$925,555 (matched by university)
  - Students: 629
- **Supplemental Educational Opportunity Grants (SEOG)**
  - \$1,214,125 (includes FWS transfer and required 25% match)
  - Students: 1,919

# FY 2024 Federal Appropriations – Department of Education (Student Aid)

FY 2024 Appropriations (Millions)	FY 2022	FY 2023	FY 2024 President's Request	FY 2024 House	% from 2023	FY 2024 Senate	% from 2023	FY 2024 Final
Pell	\$6,895	\$7,395	\$8,215	\$7,395	0%	\$7,645	3.3%	
Work-Study	\$1,210	\$1,230	\$1,230	\$ –	-100%	\$1,220	-1%	
SEOG	\$895	\$910	\$910	\$ –	-100%	\$900	-1%	

# FY 2024 Federal Appropriations – Agriculture

FY 2024 Appropriations (Millions)	FY 2022	FY 2023	FY 2024 President's Request	FY 2024 House	% from 2023	FY 2024 Senate	% from 2023	FY 2024 Final
Hatch	\$260	\$265	\$265	\$265	0%	\$265	0%	
Smith-Lever Extension	\$320	\$325	\$325	\$325	0%	\$325	0%	
McIntire-Stennis Forestry	\$36	\$38	\$38	\$38	0%	\$38	0%	
Agriculture and Food Research Initiative (AFRI)	\$445	\$455	\$550	\$460	1%	\$455	0%	
Research Facilities Act		\$2	\$ –	\$2	0%	\$ –		





# Questions?