



Oklahoma Center for the Advancement of Science and Technology

Welcome Senators



Oklahoma Center for the Advancement of Science and Technology

OCAST: An Investment in Oklahoma's Future

Senate Budget and Performance Hearing

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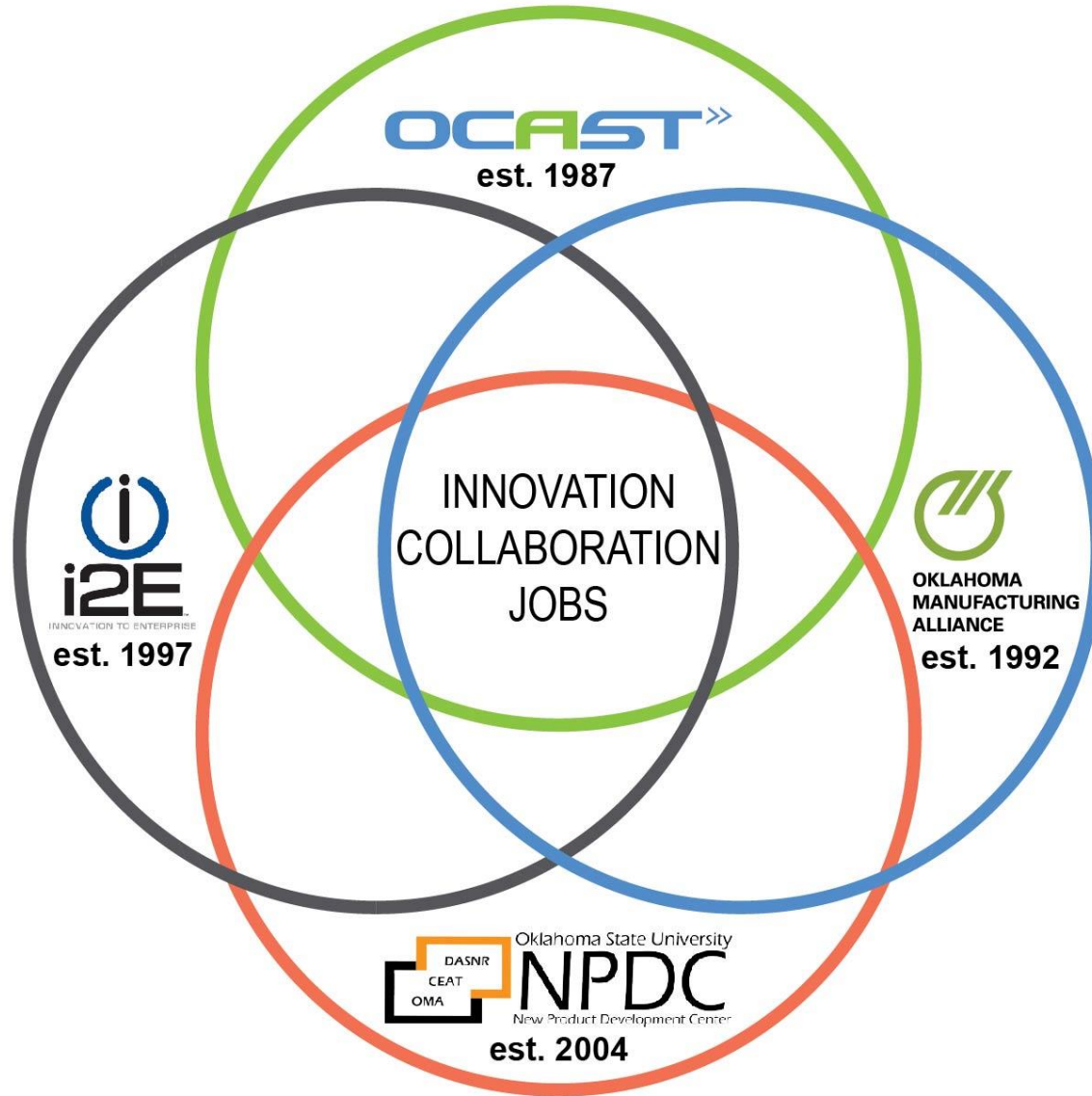
OCAST



Since 1987, the state's agency and engine for technology development, technology transfer and technology commercialization

OCAST: Vital to the Diversification and Growth of Oklahoma's Economy

Oklahoma's Innovation Model



“It’s about the leverage.”

OCAST

- Provides pre-seed funding for early stage R&D projects
- Provides resources and technical assistance to researchers and start-ups
- Provides oversight of our three strategic partners

i2E

- Provides seed funding through the Oklahoma Seed Capital fund
- Recruits private angel investment to co-invest with state funds

Oklahoma Manufacturing Alliance

- Provides technical assistance to manufacturers throughout the state
- Provides application engineering support to promote leaner operations and optimize capital expenditures

New Product Development Center

- Provides engineering and technical support for inventors and manufacturers
- Makes OSU resources available to the general public (consistent with its land-grant mission)

“Leverage” or Return on Investment (ROI)

Cumulative ROI (1987-2016): 22:1

ROI for 2016: 42:1

Total economic impact: \$6.4 B

Key Performance Metrics

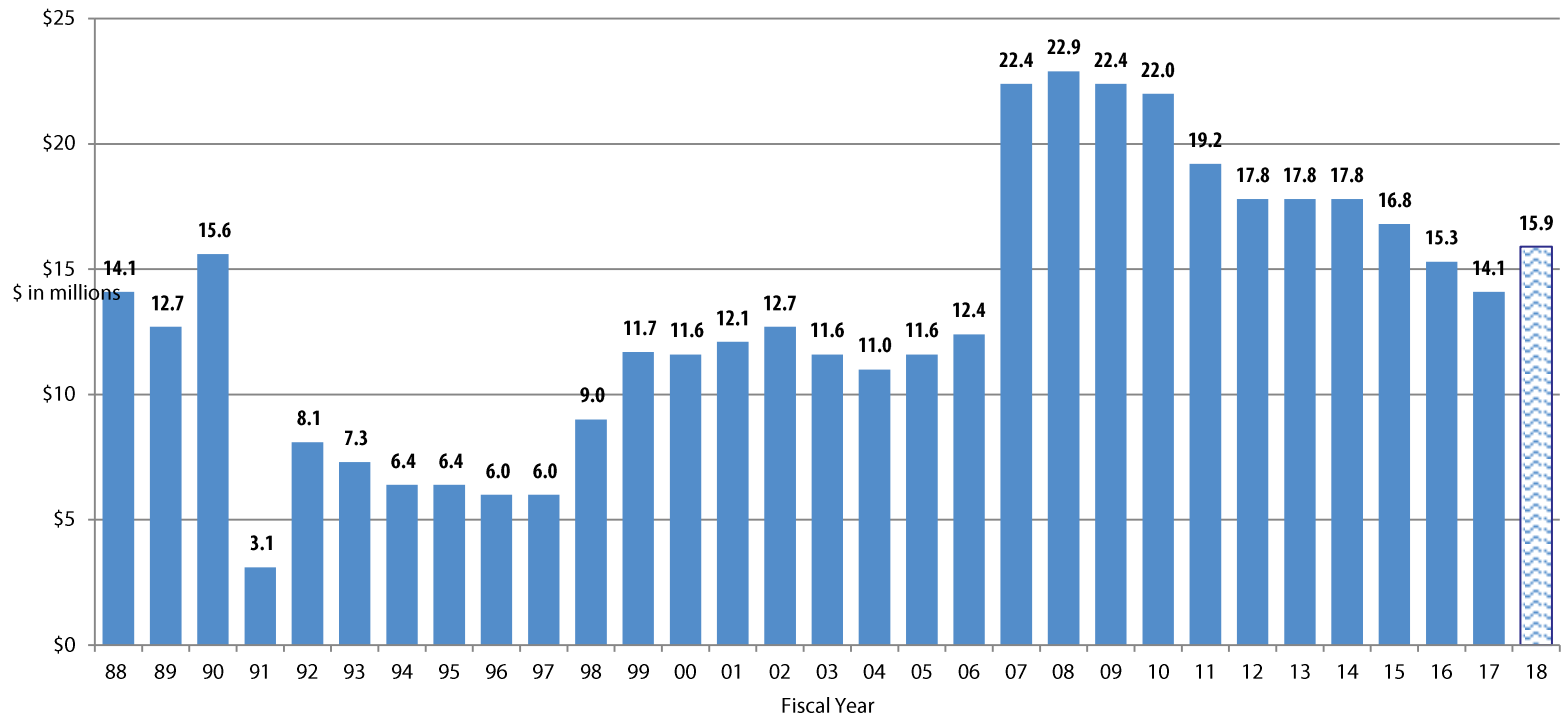
- 13,384 jobs created/retained
- \$55,000 average salary for technology jobs
- Entrepreneurial activity increasing (Forbes, Kauffman, Kiplinger, etc.)

Supporting the Technology Needs of Oklahoma Industries

- Agriculture
- Aerospace and defense
- Bioscience and biotechnology
- Energy (fossil and renewable)
- Manufacturing
- State government

Appropriation History

OCAST APPROPRIATION HISTORY



OCAST

5 Year Appropriation History

ACTIVITIES	FY 2014	FY 2015	FY 2016*	FY 2017	FY 2018
General Administration	\$687,310	\$705,000	\$810,000	\$725,000	\$725,000
Program Services and Support	1,481,744	1,314,503	1,122,670	1,243,305	\$1,490,000
Health Research	3,400,000	3,213,000	3,112,022	2,751,312	3,001,337
Applied Research	3,400,000	3,213,000	2,996,957	2,629,902	3,001,337
Intern Partnership Program	450,000	425,250	403,495	403,985	403,495
Plant Science Research	0	0	0	0	0
Nanotechnology Commercial	0	0	0	0	0
Manufacturing Extension Services	1,259,469	1,190,198	1,050,258	997,745	1,129,310
Technology Commercialization	2,108,241	1,822,188	1,607,940	1,527,543	1,728,968
Small Business Research Assistance	325,000	382,725	281,000	100,000	281,000
Inventors Assistance	350,000	330,750	291,862	331,528	313,830
Technology Information Services	383,300	487,000	281,110	295,589	340,000
Seed Capital Fund	3,966,355	3,748,205	3,307,503	3,104,231	3,556,453
TOTAL FUNDING	<u>\$17,811,419</u>	<u>\$16,831,819</u>	<u>\$15,264,816</u>	<u>\$14,110,140</u>	<u>\$15,970,730</u>
General Administration %	3.86%	4.19%	5.31%	5.14%	4.54%

Board Approved Appropriation Request for 2018

\$15,970,000.00

Keys to Building Oklahoma's Innovation Economy

- Small business development
- Investment
- Science and technology capacity
- Opportunities for talent development and retention
- Public/private collaboration

OCAST: Helping to Improve Oklahoma's Economy

Achieving our Mission

OCAST's mission is to grow and diversify Oklahoma's economy.

In 1987, 1 in 11 jobs were directly tied to the energy industry.

Today, 1 in 27 jobs are directly tied to the energy industry.

We have helped to build resiliency into our economy, but we still have a long way to go.

\$277,916 in Annualized Cost Savings

Achieved through:

- Reduction in outreach-related costs
- Elimination of unfilled staff positions (3)
- Technology modernization to realize costs savings
- Application of Lean/Six Sigma concepts to increase operational capacity and efficiency

Where Does Innovation Happen in Oklahoma?

- Small businesses
- Manufacturing firms
- Fortune 500 companies in OK
- Research institutions
- Research foundations
 - OMRF
 - Noble Foundation
 - Warren Foundation

Where Does Innovation Happen in Oklahoma?

Visit

impact.ok.gov

for just a few of the many success
stories from across our state

Questions?