



Oklahoma Center for the Advancement of Science and Technology

Budget and Performance Review

January 27, 2015

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OCAST



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

OCAST's Mission

- Diversify economy
- Grow economy
- Create high-paying jobs
- Catalyst for innovation and entrepreneurial activity

Agency Profile

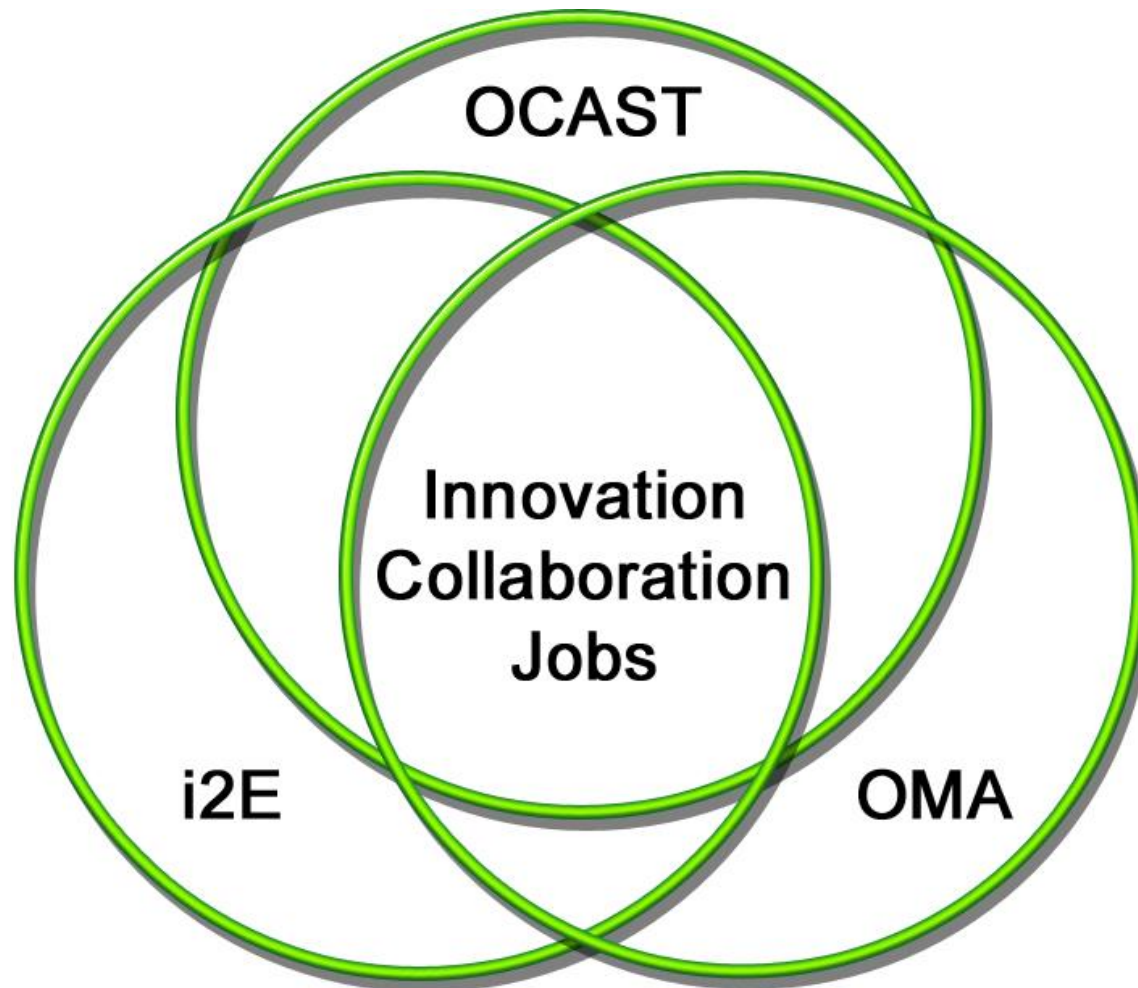
- Technology-based economic development for high-paying jobs and sustainable economic expansion
- 21-member governing board
- Strategic partners: Oklahoma Manufacturing Alliance; i2E; OSU Inventors Assistance Service & New Product Development Center
- FY 2015 budget: \$16.8 million
- Current FTE: 19
- Projects awarded over 27 years: 2,519
- Dollars awarded over 27 years: \$253 million
- Impact of awarded dollars: \$5.2 billion
- Cumulative (27-year) ROI: 20:1
- G & A cost: 3.8%

Agency Success Metrics

- Federal and private funds attracted
- Number of jobs created/retained
- Increase in entrepreneurial activity
- Total economic impact
- ROI

Oklahoma's Innovation Model

Strategic Partners



Keys to Building Oklahoma's Innovation Economy

- Science and technology capacity
- Capital
- Talent
- Public/private collaboration

Technology Focus Areas

(Supporting Research and Oklahoma's Industrial Base)

- Advanced materials/nanotechnology
- Advanced manufacturing
- Aerospace and defense
- Agriculture/plant science
- Bioscience and biotechnology
- Energy (fossil and renewable)
- Information technology/cyber security
- Weather and climate

2016 Budget Request: \$25.4M

- \$3.4M to move towards meeting demand for existing programs
- \$5.2M to invest in R&D infrastructure

Rationale

- Accelerate diversity and growth of the state's economy
- Address pent-up demand for OCAST funding
- Attract more federal and private dollars (leverage)
- Enhance technology commercialization (i2E)
- Increase manufacturing capability/competitiveness (OMA)
- Build sustainable economic development
- Create quality jobs

“Leverage” or Return on Investment (ROI)

Current appropriation (FY 2015):	\$16.8 million
Cumulative ROI (1987-2014):	20:1
ROI for 2014:	30:1

Agency Efficiency

- General and administrative costs: less than 5%
- 95% of appropriation goes to programs
- Adoption of more online systems for applications/awards process
- Implementation of automated systems for tracking contract status

OCAST: *An investment in Oklahoma's S&T future*

OCAST FY 2016 Budget Request vs FY 2015 and FY 2014 Appropriations

Program	FY 2014 Actual Appropriation	FY 2015 Actual Appropriation	FY 2016 Appropriation Request	\$ Change, FY 2015 to FY 2016	% Change, FY 2015 to FY 2016
1) General Administration	\$ 687,310	\$ 704,140	791,985	\$ 87,845	12.5%
2) Program Services and Support	1,481,774	1,312,796	1,381,022	68,226	5.2%
3) Health Research	3,400,000	3,209,082	4,227,386	1,018,304	31.7%
4) Applied Research					
4.1) OARS	3,400,000	3,209,082	4,283,362	1,074,280	33.5%
4.2) Intern Partnerships	450,000	424,731	492,146	67,415	15.9%
4.3) Plant Science	0	0	390,000	390,000	N/A
4.4) Nanotechnology	0	0	0	0	N/A
Total applied research	<u>\$ 3,850,000</u>	<u>\$ 3,633,813</u>	<u>\$ 5,165,508</u>	<u>\$ 1,531,695</u>	42.2%
5) Oklahoma Manufacturing Alliance	1,259,469	1,188,747	1,354,278	165,531	13.9%
6) Technology Commercialization	2,108,241	1,819,966	2,186,725	366,759	20.2%
7) Small Business Research Assistance	325,000	382,258	432,258	50,000	13.1%
8) Inventors Assistance	350,000	330,347	380,347	50,000	15.1%
9) Technology Information Service	383,300	486,511	503,211	16,700	3.4%
10) Seed Capital Fund	3,966,355	3,743,635	3,977,280	233,645	6.2%
11) Research Equipment	0	0	5,000,000	5,000,000	N/A
TOTAL	<u><u>\$ 17,811,449</u></u>	<u><u>\$ 16,811,295</u></u>	<u><u>\$ 25,400,000</u></u>	<u><u>\$ 8,588,705</u></u>	48.2%

OCAST FY 2015 Budget Calculation

Program	FY 2015 Actual Appropriation	Award Outyears	Grants	Program funding source balances	Total FY 2015 Budget
1) General Administration	\$ 704,140				704,140
2) Program Services and Support	1,312,796				1,312,796
3) Health Research	3,209,082	648,837			3,857,919
4) Applied Research					
4.1) OARS	3,209,082	431,365			3,640,447
4.2) Intern Partnerships	424,731	162,377			587,108
4.3) Plant Science	0	250,000			250,000
4.4) Nanotechnology	0				0
Total applied research	<u>\$ 3,633,813</u>	<u>\$ 843,742</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,477,555</u>
5) Oklahoma Manufacturing Alliance	1,188,747		100,000	140,000	1,428,747
6) Technology Commercialization	1,819,966			241,127	2,061,093
7) Technology Business Finance Program	0			1,809,143	1,809,143
8) Small Business Research Assistance	382,258				382,258
9) Inventors Assistance	330,347			47,190	377,537
10) Technology Information Service	486,511				486,511
11) Seed Capital Fund	3,743,635			14,239,728	17,983,363
12) Research Equipment	0				0
TOTAL	<u><u>\$ 16,811,295</u></u>	<u><u>\$ 1,492,579</u></u>	<u><u>\$ 100,000</u></u>	<u><u>\$ 16,477,188</u></u>	<u><u>\$ 34,881,062</u></u>