University of Idaho - Idaho Falls
Overview

Bob Smith
November 13, 2012

UI Idaho Falls - Background

• House Bill No. 45 An Act to Establish the University of Idaho (1887)
  – Section V. The several buildings of the University shall all be erected within a radius of four miles of Eagle Rock, Bingham County
• First classes in 1954 to support National Reactor Testing Station (Idaho National Laboratory)
  – $1.9 million (FY12) education contract with INL to provide science and engineering graduate programs
• Co-located with ISU at University Place
  – Cooperative agreements allow students at University Place participate to takes classes from both UI and ISU
UI Idaho Falls Demographics

• From 1954 to Spring 2012, the University of Idaho awarded 1,960 degrees from the Idaho Falls Center
  – 157 Doctoral
  – 1,146 Master’s
  – 629 Bachelors
  – 28 Specialist

• Fall 2012 enrollment of 322 (1,818 credit hours) included
  – 98 Undergraduate students
  – 107 Master’s students
  – 69 Doctoral students
  – 48 Non-degree

Strategic Planning

• Mission: The University of Idaho in Idaho Falls delivers advanced education and research programs addressing state and national energy needs in partnership with the Idaho National Laboratory, industry and other universities.

• Vision: The University of Idaho in Idaho Falls will become a nationally recognized institution of choice for students, faculty, and researchers in selected science and engineering disciplines that support the nation’s energy future and homeland security.
Principle Priorities (Education)

- Undergraduate (BS)
  - Industrial Technology*
  - Environmental Science
- Graduate (M.S., M. Engr., Ph.D.)
  - Nuclear Engineering*
  - Technology Management
  - Other engineering disciplines
  - Selected science disciplines

Principle Priorities (Research)

- Energy
  - Nuclear Energy
  - Clean Energy
  - Water, Energy, and the Environment
- Homeland Security
  - Energy Security
  - Safety and Risk Assessment
Implementation

• With our partners we will:
  – Capitalize on our unique location and research infrastructure to provide world-class, research-based graduate education.
  – Provide a conduit for resources and opportunities between the CAES partners and other research institutions worldwide.
  – Enhance the research base in the State of Idaho.

The CAES Collaboration

What is CAES?
• CAES is a research collaboration between Idaho National Laboratory and the state of Idaho through its three research universities – Boise State University, Idaho State University and University of Idaho.

History
• Settlement Fund + HUD → $7 million for R&D Building
• CAES concept was part of the 2005 INL bid proposal
• CAES Building
  • Ground was broken on February 20, 2007
  • Building was dedicated on February 20, 2009
  • Facility is a LEED gold building
**Our Vision**

A public/private partnership – BSU, ISU, INL, and UI

- Energy research
- Education
- Policy studies

Maximize the utilization of resources

- Expand researcher-to-researcher collaborations
- Improve access to research facilities & equipment
- Enhance student educational opportunities

Foster technology-based economic development

- Facilitate government, university, and industry collaboration (includes international)

---

**Our Mission**

Grow R&D portfolio • Educate next generation • Economic development

- R&D Investments
  - State
  - CAES Partners
  - Federal

- Research Initiatives

- Industry Investment

- Technical Innovation

- Nat’l Energy Solutions, IP, New Products

- New Business and Economic Development

- 21st Century Workforce

- STEM Degrees

- Filling the Pipeline
Our Research

Advanced Materials
- Advanced Nuclear Fuels
- Advanced Alloys
- Radiation/Corrosion Sensors

Bioenergy
- Life Cycle Analyses
- Agriculture (dairy) and Forestry Waste into Energy, Fuels and Products
- Oilseeds

Cross Cutting Capabilities
- Energy Policy Institute
- Advanced Visualization and Modeling
- Education Program

Energy Efficiency
- Industrial Assessment Centers
- INL Bus Fleet Efficiency
- Energy Management Toolsets

Geofluids Energy Science
- Carbon Sequestration
- Geothermal
- Groundwater Resources

Nuclear Science & Engineering
- Producing radionuclides
- Waste Separation
- Life Extension of Current Reactors
- Recovering Uranium from Seawater

CAES Economic Impact (FY 2011)

Statewide Impact
- 889 jobs
- $64.3M Sales
- $1.4M state and local tax revenues

Establish Industrial Partnerships/Consortia
- Signed memorandum of understanding with Innovation Center for U.S. Dairy
- Aligning research initiatives with entrepreneurs and companies

Technology Transfer/Commercialization
- Regional and State economic development

- Realize strong return on Idaho investment
- Link to industry and capital
- Foster entrepreneurialism