

**CAES AWARDS October 2008 - Present**

<b>Project Name</b>	<b>Customer</b>	<b>Award</b>	<b>Lead Institution/Associate Director</b>
<b>NEUP R&amp;D</b>			
Irradiation Creep in Graphite	DOE	\$785,396	BSU/Darryl Butt
Removal of 14C from Irradiated Graphite for Graphite Recycle and Waste Volume Reduction	DOE	\$681,205	ISU/George Imel
Advanced Elastic/Inelastic Nuclear Data Development Project	DOE	\$1,497,500	ISU/George Imel
Experimental Study and Computational Simulations of Key Pebble Bed Thermomechanics Issues for Design and Safety	DOE	\$557,279	U of I/Bob Smith
Data Collection Methods for Validation of Advanced Multi-Resolution Fast Reactor Simulations	DOE	\$912,317	U of I/Bob Smith
Prediction and Monitoring Systems of Creep-Fracture Behavior of 9Cr-1Mo Steels for Reactor Pressure Vessels	DOE	\$503,188	U of I/Bob Smith
Fabrication of Tungsten-Rhenium Cladding Materials via Spark Plasma Sintering for Ultra High Temperature Reactor Applications	DOE	\$682,258	U of I/Bob Smith
Ionic Liquid and Supercritical Fluid Hyphenated Techniques for Dissolution and Separation of Lanthanides, Actinides, and Fission Products	DOE	\$202,869	U of I/Bob Smith
<b>NEUP Infrastructure</b>			
Acquisition of Ion Slicer for TEM Sample Preparation of Nuclear Materials	DOE	\$150,000	BSU/Darryl Butt
Infrastructure Support for Analytical and Health Physics Laboratory Instrumentation	DOE	\$237,787	ISU/George Imel
Establish Medium-to-Higher Temperature Material Characterization Capability	DOE	\$177,000	U of I/Bob Smith
<b>NEUP Fellowships/Scholarships</b>	DOE	\$195,000	BSU, ISU, U of I
<b>Education Program and Graduate Student Support</b>	NRC	\$1,464,000	ISU/BSU/U of I
<b>Scholarships</b>	Areva	\$250,000	ISU/George Imel

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<b>I-NERI</b>	DOE	\$150,000	U of I/Bob Smith
<b>AFCI: oxide fuels and ODS alloys</b>	DOE	\$1,300,000	INL/Darryl Butt
<b>NSF</b>			
Corrosion Resistant Joints	NSF	\$50,000	BSU/Darryl Butt
I/UCRC Radioactive Materials Center			
<b>CRADA</b>	Precision Nanoparticles, Inc.	\$3,100,000	ISU, CAES, INL/Tech Deployment
<b>Big Sky Regional Partnership</b>	DOE	\$650,000	U of I/Bob Smith
<b>Carbon Dioxide Mineralization Potential of Host Rocks in Deep Saline Aquifers</b>	Shell Oil	\$721,000	U of I/Bob Smith
<b>NASA Fellowship</b>	NASA	\$15,000	BSU/Darryl Butt
<b>ATR-NSUF Online Flux Monitors for ATR-C</b>	DOE	\$225,000	ISU/George Imel
<b>ATR-NSUF Measurements of Actinide Neutronic Transmutation Rates</b>	DOE	\$225,000	ISU/George Imel
<b>Mpact LSDS Studies</b>	DOE	\$270,000	ISU/George Imel
<b>Up-front Financing Options for Energy Efficiency for Small Businesses</b>	US SBA	\$13,000	BSU/David Solan
<b>Economic Impact of Small Modular Reactors</b>	Am. Council on Global Nuclear	\$60,000	BSU/David Solan
	Competitiveness		
<b>NEUP Program Administration</b>	DOE	\$1,800,000	INL/Harold Blackman
<b>Grand Total: \$16,874,799</b>			