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The Role of Academic Research

by

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Roles

- **Discover new knowledge**
- **Advance the state of the art to improve the quality of life—special role of a land-grant university**
- **Inform decision-makers**
- **Educate tomorrow's scientists and engineers**
- **Establish centers of excellence at WVU to foster multidisciplinary approach**

NRCCE

- **Vision**
 - abundant, affordable energy
 - a healthy environment
 - a vibrant economy
- **Mission--create and disseminate knowledge and technologies for:**
 - Clean, efficient energy generation—typically fossil-based
 - Abundant, clean water
 - Land restoration
 - Enhancements in energy efficiency
 - Use of alternative fuel sources for transportation
 - Protection of public health

NRCCE

- **NRCCE works with**
 - **faculty across WVU**
 - **faculty at other institutions through consortia**
 - **Industry as a contractor and subcontractor**
 - **Private and public sector through advisory committees for our various programs**

NRCCE

**Advancing innovations for energy and the environment
for 25 years and counting**

Industries of the Future—West Virginia

The West Virginia Water Research Institute

Combustion Byproducts Recycling Consortium, National Mine Land Reclamation Center, **Water Resources Research Program, National Mine Land Reclamation Center; Hydrology Research Center; Geosciences Research Center**

The U.S. Department of Energy EPSCoR Program

– **Advanced Power and Electricity Research Center**

- **The Center for Advanced Separations Technology**
- **The National Alternative Fuels Training Consortium**
- **The Appalachian Oil and Natural Gas Research Consortium**
- **The Petroleum Technology Transfer Council**
- **The Consortium for Fossil Fuel Science**
- **The National Environmental Services Center**

