

Energize New Mexico: NM EPSCoR Research Infrastructure Improvement (RII) Project



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Vision of Energize New Mexico

Energize New Mexico will help lead the nation in harnessing and promoting sustainable energy resources, cultivating a well-qualified Science, Technology, Engineering and Math (STEM) workforce, and developing a sustainable culture of entrepreneurship and innovation.

Six Research Components

- Bioalgal Energy Development
- Solar Energy Research
- Osmotic Power Development
- Uranium Transport & Site Remediation
- Geothermal Energy Resources & Sustainability
- The Social & Natural Science Nexus

Key Research Questions

The NM EPSCoR science research component focuses on one overarching question: **How can New Mexico realize its energy development potential in a sustainable manner?** Energize New Mexico research goes further by examining these specific elements:

- How can the efficiency of resource utilization or extractive technologies be increased?
- Can we sustain extractive energy development with minimal risk to water and environmental resources?

Setting a New Research Standard

Proposed infrastructure and activities of Energize New Mexico are designed to:

- Support shared use equipment;
- Engage new faculty; and
- Support the STEM pipeline.

Research findings will be communicated broadly through new partnerships with New Mexico's museum network, a citizen-centric designed web portal, and vibrant, experiential programs targeting K-12 students.

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