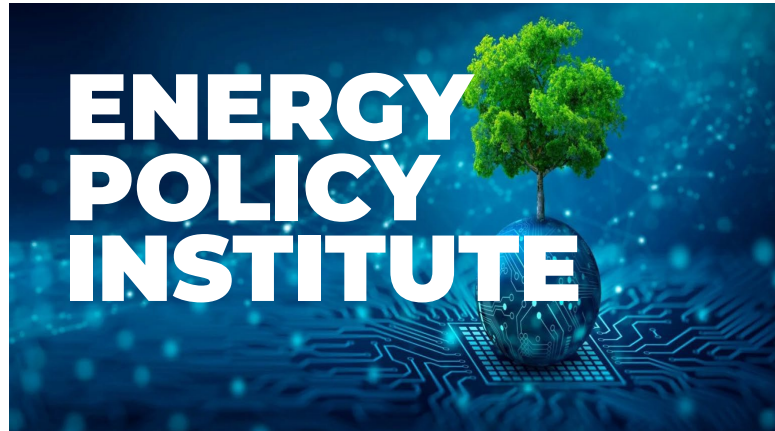


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## Advancing Energy Decision- making for Security, Resilience and Readiness



The **Energy Policy Institute (EPI)** advances decision-making tied to the security, resilience, and readiness of energy-based systems. We do so with objective and evidence-based research and advising. Our work spans international, national and regional priorities, regulatory issues, adoption readiness (social, technological and infrastructural) economic implications, and other emerging energy considerations.

**Research and Advising:** Upstream and downstream, socio-technical road-mapping of emergent energy issues and opportunities -- geopolitical influences, adoption readiness, regional shifts, potential for infrastructure repurposing and technology hub precursors; Energy-water footprint analysis for AI/data centers and AI potential for energy systems; Cyber and drone regulation/risk for energy facilities; Potential for advanced deployment of nuclear, geothermal, critical materials/minerals mining, and microgrids; Policy/planning for resilience with wildfire-grid risk and other disruption; Nuclear safety, regulation, siting, and security; Decision-making trade-offs for the energy-economy workforce, market, and infrastructure; Strategies for siting; Comparative policy/regulation assessments; Critical infrastructure repurposing.

### **Leadership and Research:**

Our team leads a national consortium on siting for critical infrastructure that includes research, national seed grant programming, public feedback sessions, and recommendations on better practices for the U.S. Department of Energy.



**Energy Events:** ~5,400+ registrants 2018-2025 to date; *Power Talk* registrants in 2024 (nearly 6 times compared to 2018 energy event registrants).

**Decision-making/Stakeholder Support:** Our team provides technical advising, analysis, and neutral facilitation for engagement and decision-making.

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**Workforce Readiness and Education:** We co-lead an on-line certificate in nuclear security & safeguards; evaluate educational pipelines for advancing energy; provide customized professional and K-12 energy education; and train with hands-on learning.

**Awards & Regional Development, 2023-2024, ~\$30M+** (typically shared across partners): Idaho resilience in energy-water systems, Siting for critical infrastructure, Emerging energy markets, Power planning, siting, and grid reliability, Energy independence and infrastructure.

**Students:** Our graduates (high school, undergraduate and graduate students) work with public agencies, Power Engineers, Idaho National Lab, Geothermal Rising, Amazon, etc.

**Workforce Development:**

- Launched online **Nuclear Safeguard & Security Certificate** with ISU & UI; Boise State's **Field School on Sustainability**; and **Idaho Science & Technology Policy Fellowship** with the McClure Center & partners
- Lead Boise State's **Master of Environmental Management Program**
- Lead **Industry and Government partnering** for a state energy-water resilience project with UI, ISU, and partners
- **Bridge training-to-career gaps**, connecting students with employers and advising the Energy Systems Tech & Ed Center.

**Tech Hub/Advanced development:** Nuclear, geothermal, critical minerals/materials, wildfire-grid, hydrogen, biogas, energy-water systems, etc.



**Key Collaborations:** We partner with the U.S. Council on Competitiveness, National Association of State Energy Officials, National Tribal Energy Association, Western Interstate Energy Board, Idaho Strategic Energy Alliance, Idaho Workforce Development Council, Shoshone- Bannock tribe, Wells Fargo, Idaho Power, Clean Technology Alliance, Idaho National Laboratory, etc.