



Evaluating Impacts of Natural Resource Development

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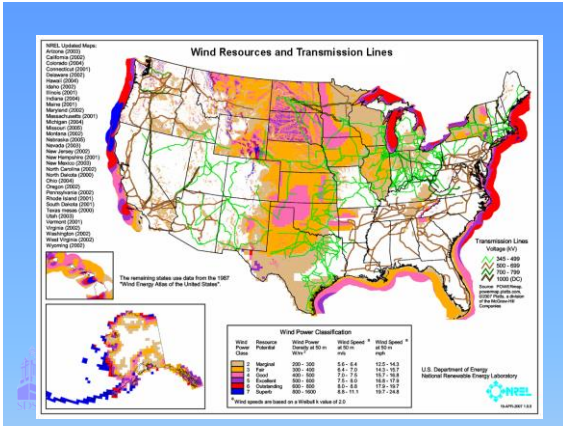


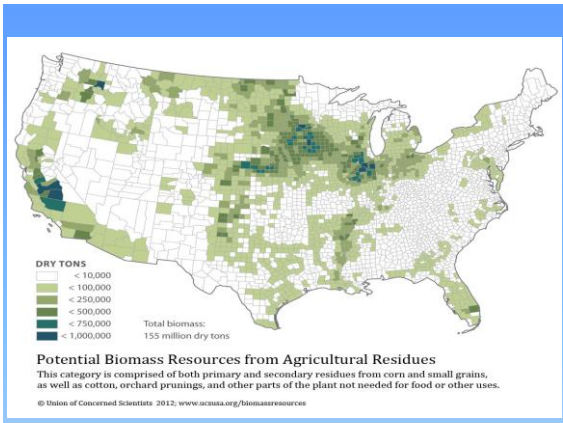
Broader challenges

- Geographic constraints
- Disciplinary constraints
- Differing energy regimes









Different Energy Regimes

- Different energy regimes require:
 - Different labor populations, industry chains
 - Different local, state, national policy applications,
 - Different health implications
 - Different economic capture strategies at the local level
 - Different planning for zoning, housing and environmental impacts

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However:

- Similarities abound:
 - Industrialization in rural landscapes
 - Local Support and Opposition
 - Social and Environmental Impacts
 - Economic and Employment Generation

Opportunity to compare/contrast/integrate existing research application



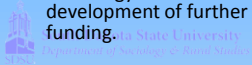
Furthermore!

- Increasing instances of overlapping energy developments



Goals

- To create a working interdisciplinary network of energy researchers
- To develop and submit two national grants on energy impacts
- To share knowledge on industry efforts on community impacts and alleviation
- To build a lasting network for energy research through development of further funding.



Participants



- 22 faculty member from 18 universities
- Eastern region
- Western region
- Midwestern region
- Canada



Interdisciplinary perspectives



- Sociology
- Geography
- Economics
- Public Health
- Political Science
- Communication
- Public Policy
- Community Development
- Demography
- Psychology



Interdisciplinary perspectives



- Psycho-social risk factors/health issues
- Social justice
- Large comparative “sense of place” in energy study
- Diverse energy regimes and unique impacts
- Well defined community planning projects



Interdisciplinary challenges

- Common metrics for comparative work
- University-Industry partnerships
- Investigative procedures alignment
- Appropriate Funding



Resources for energy impact study

Web links:

- <http://efdsystems.org/index.php/sponsors-advisors/>
- http://www.mma.org/resources-mainmenu-182/doc_view/17-fiscal-impact-tool-brochure
- <https://rbnenergy.com/you-never-give-me-your-money-royalties-are-critical-but-complicated>
- <http://www.visionwestnd.com/summary.php>



Solutions

- Forum for integration and coordination
 - Symposium?
 - Integrate geographies, energy sources, disciplines
- Identify and develop common indicators and data collection standards
- develop a shared library of research tools and educational resources
- Procure resources to administrate and sustain forum.



Products

AFRI: Escaping the Resource Curse: Developing Governments and Investment Frameworks to Leverage the Benefits of Energy Development for Rural Prosperity: MT State U, Penn State, U of WY, Cornell U, (funded)

AFRI: Follow the Dollar: Wealth Generation and Capture in Energy-Impacted Rural Communities, Cornell University and SDSU

NSF RCN: In development, January 2015



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- Our thanks to NCRCD for funding of this meeting and these shared grant and research initiatives. The small grant funds provided by NCRCD offer important impetus for collaborative work in and outside of the region.
- Thanks to all the researchers willing to come to South Dakota in January!



Comments? Questions?



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