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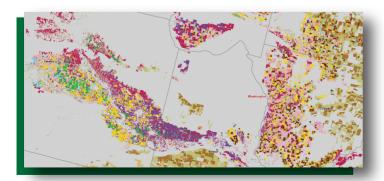
## **PNNL Environmental Economics**

## **OVERVIEW**

Our team brings a diverse set of capabilities and tools to bear on the questions of market identification, technology characterization, market impacts of new technology, related environmental, economic, and demographic impacts. A sampling of the general areas the team supports include:

- Emerging economic and environmental implications of grid modernization.
- Economic, environmental, and energy impacts of energy policy and regulation.
- Economics of climate adaptation.
- Subsurface techno-economic and risk analysis.
- Economics of alternative electricity generation technologies.
- Socioeconomic, land use, and power system impacts of power plant siting and licensing.
- New technology business case development.
- Tracking and reporting commercialization success of federal technology R&D.
- Local economic development impact assessment.

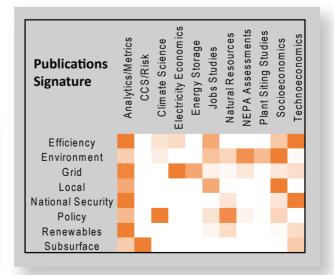
Our team stewards the wide-ranging analytical capabilities necessary to deliver products in the above areas. Staff also manages multi-disciplinary projects requiring the integration of engineering and economic analysis capabilities.





PNNL is well-positioned to research key emerging environmental questions of the coming 50 years:

- What socioeconomic changes can be expected to result as the US adapts to a changing climate?
- What are the costs, benefits, and impacts of new environmental technologies and policies?
- What are the environmental impacts of a transformed electric grid and future power infrastructure development?





## PNNL Environmental Economics

## THE TEAM APPROACH

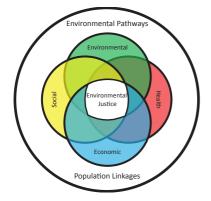
PNNL's Energy Economics Team is part of the Energy Policy & Economics Group. We help sponsors characterize and measure markets for new technology, and provide related economic and energy impact assessments of those markets. The team's professionals including economists and engineers that navigate the frontier between technology market assessment and systems engineering analysis. Our work results in national and regional impact analyses and other forms of strategic studies to quantify the potential impacts new technologies can have on the economy and the environment. To achieve market success for clients investing in R&D, the impacts of these investments must be understood and barriers to market success need to be identified. This provides clients with the knowledge to develop strategies to overcome impediments to market success.



Environmental costs, benefits, metrics, and economic impacts of alternative energy development.

Climate adaptation and socioeconomic effects, demographic changes, and land use impacts.

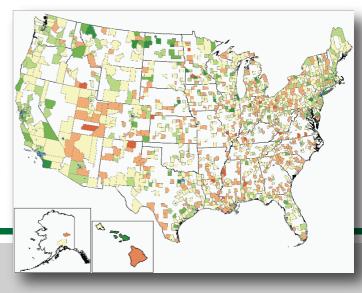






Costs of power plant siting, licensing, and environmental regulation.

Economic geography of environmental and natural resource policy decisions.



For more information, please visit the Energy Economics Team website or contact:

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U.S. DEPARTMENT OF ENERGY

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