

Energy Technology Research

The Energy Research Program at the Center for Applied Economic Research has broad research capabilities in energy markets and technology.

Energy Markets

- *Regulatory and policy analysis*
- *Market research and planning*
- *Energy program evaluation*
- *Economic impact modeling*
- *Economic development analysis*
- *Energy demand modeling*

Energy Technology

- *New product research*
- *Market potential modeling*
- *Production economics*
- *Business and production process mapping*
- *Technology demonstration*

Our technology research services enhance the success of market introduction by reducing regulatory and business practice barriers and improving product and market design. With our abundant fossil and renewable resources in the region, we offer exciting opportunities for field demonstrations and market introduction of almost all new energy technologies. Our approach is to become a strategic product development partner with technology companies as products move from the lab to the market.

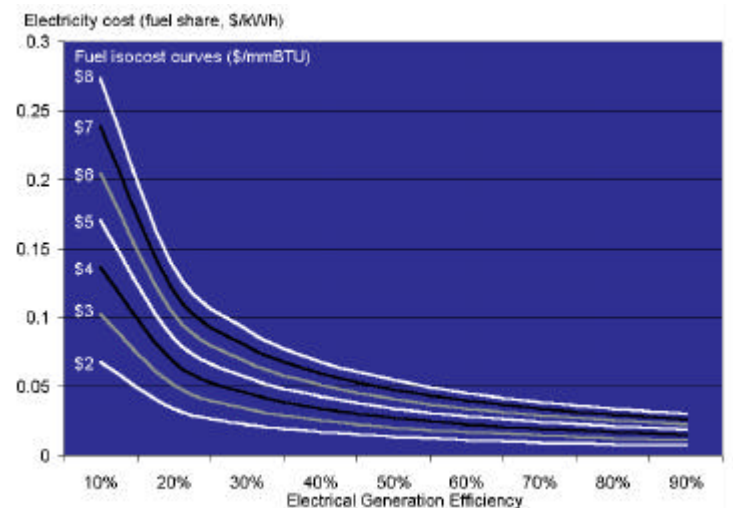
PRODUCT RESEARCH AND MARKET DESIGN

The Market Design Lab at the Center helps companies commercialize new products and improve their return on investment through intelligent product and market design. Our product design research is based on the principles of innovation that include competitor analysis and consumer analysis

through observance. Our market design incorporates market potential modeling, identifying channel and affinity opportunities, and analyzing regulatory policies. Underlying all of our research is our understanding of engineering economics and how behavior affects the demand for and use of energy products.

PRODUCTION ECONOMICS & BUSINESS PRACTICES

Our analysis includes market economics of input fuels and output energy relative to forward cost curves (spark spreads), production and capital cost economics relative to industry benchmarks, and production and marketing process mapping.

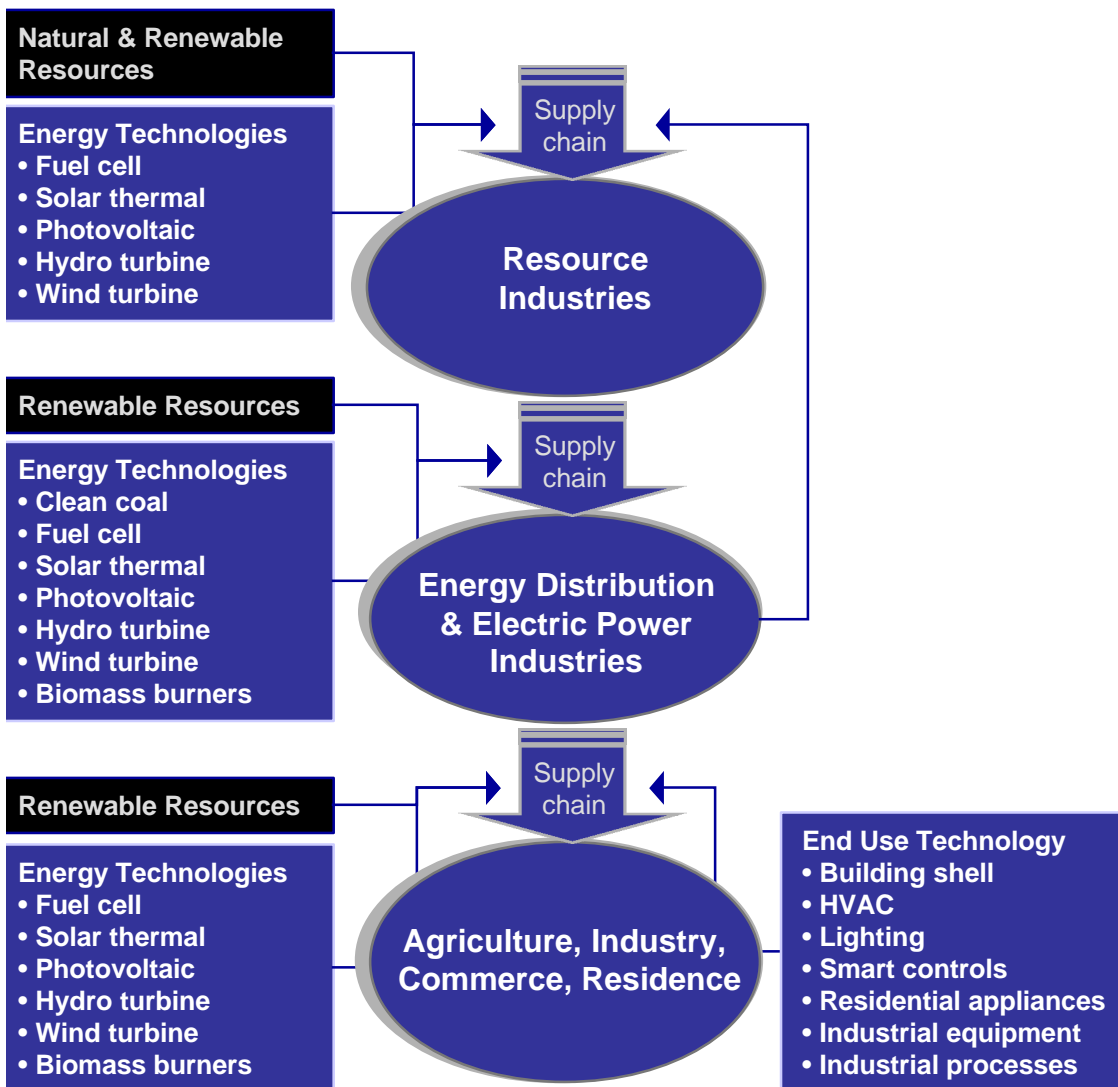


Energy Technology Research

TECHNOLOGY DEMONSTRATION

We have abundant fossil, wind, solar, geothermal, biogas, and biomass resources to test and demonstrate your technology. We partner with industry, consumers, energy and technology distributors, and other regional and national research organizations to deliver successful demonstration sites anywhere along the energy value chain, from the oil and gas or coal industry, to the electric power industry and

distribution utilities, to the final consumer. For electric technologies, we have excellent test locations for remote island as well as grid-parallel designs. We provide secure locations, nondisclosure of intellectual property, and the ability to compare your test statistics with the performance of competing technologies as well as similar technologies in other locations.



The mission of the Center for Applied Economic Research is to support economic development in the eastern Montana and northern Wyoming region. In support of this mission, the Center has research programs in

- *Regional Economics*
- *Real Estate*
- *Energy Markets and Technology*

Our offices are located on the campus of Montana State University – Billings in Suite 113, College of Business.

Call: (406) 657-1742

Visit our web site at www.msubillings.edu/caer

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analyzing issues
creating knowledge
informing decisions



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