



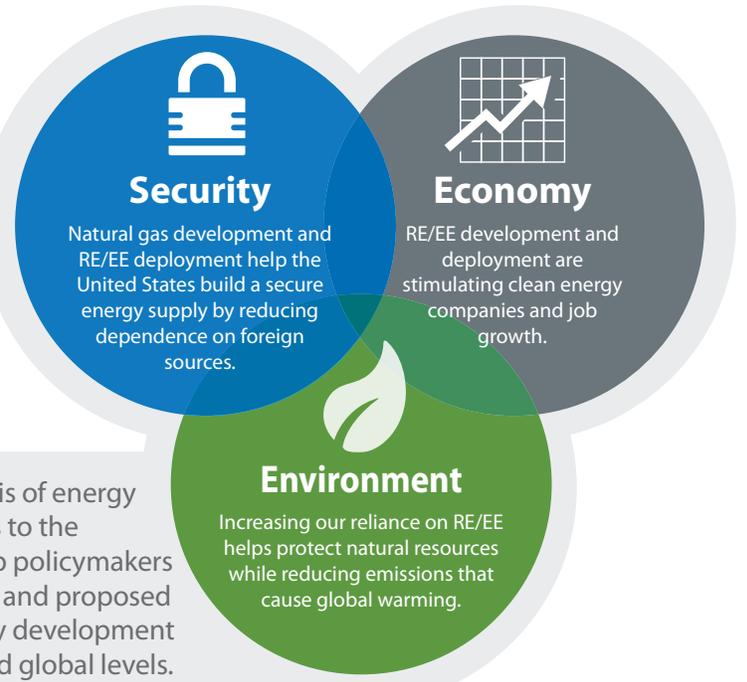
Strategic Energy Analysis

Informing policy and investment decisions as renewable energy and energy efficiency technologies move from innovation through integration.

In Hawaiian mythology, Maui set out to lasso the sun in order to capture its energy. He succeeded. That may have been the most dramatic leap forward in clean energy systems that the world has known. Until now.

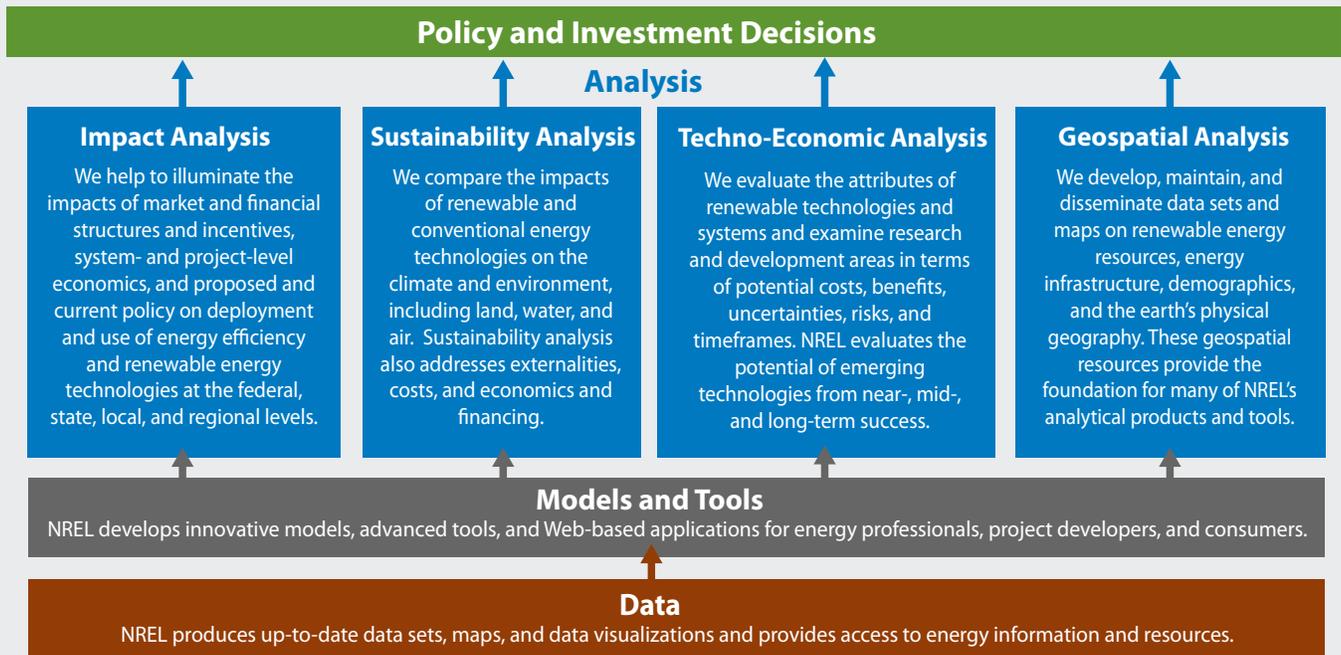
Today, another profound transformation is under way. A combination of forces is taking us from a carbon-centric, inefficient energy system to one that emphasizes efficiency and draws from diverse energy sources – including the sun. At the same time, the business of energy is changing as we move toward an energy system that is more diverse, more dispersed, and more carbon neutral. Mythic heroics have given way to real-world priorities in security, economy, and environment as drivers of energy system transformation. As the U.S. Energy Department’s only national laboratory focused on renewable energy and energy efficiency, the National Renewable Energy Laboratory (NREL) is uniquely positioned to help inform and guide this transformation.

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NREL provides thought-provoking yet thoughtful analysis of energy technologies and energy systems and their relationships to the economy and environment. Our big picture insights help policymakers and energy planners understand the impacts of existing and proposed legislation, policy, and investments on renewable energy development and deployment at the local, state, regional, national, and global levels.

Building on a foundation of robust data and innovative models and tools, many of which we developed, NREL prepares credible, objective analyses that inform policy and investment decisions as renewable energy and energy efficiency technologies move from innovation through integration.



“At every step, NREL provides critical leadership that guides policy.”

David Danielson

**Assistant Secretary of Energy for Renewable Energy and Energy Efficiency
U.S. Department of Energy**

NREL complements its scientific research with high-quality, credible, technology-neutral, and objective analysis that spans the entire energy portfolio to inform policy and investment decisions as renewable energy and energy efficiency technologies move from innovation through integration. As practitioners of systems-level thinking, NREL analysts examine power systems and thermal systems; built environment and communities; transportation and mobility; manufacturing and economic impact; and land, water, energy connections.

NREL analysis:

- Informs decisions in a technology-neutral manner
- Guides investment decisions and informs policy
- Removes or reduces barriers in markets, information, or policy
- Examines geographic scales ranging from site specific to regional, country or multi-country and time scales ranging from near term to distant future.

For more information, visit

www.nrel.gov/analysis

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National Renewable Energy Laboratory

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