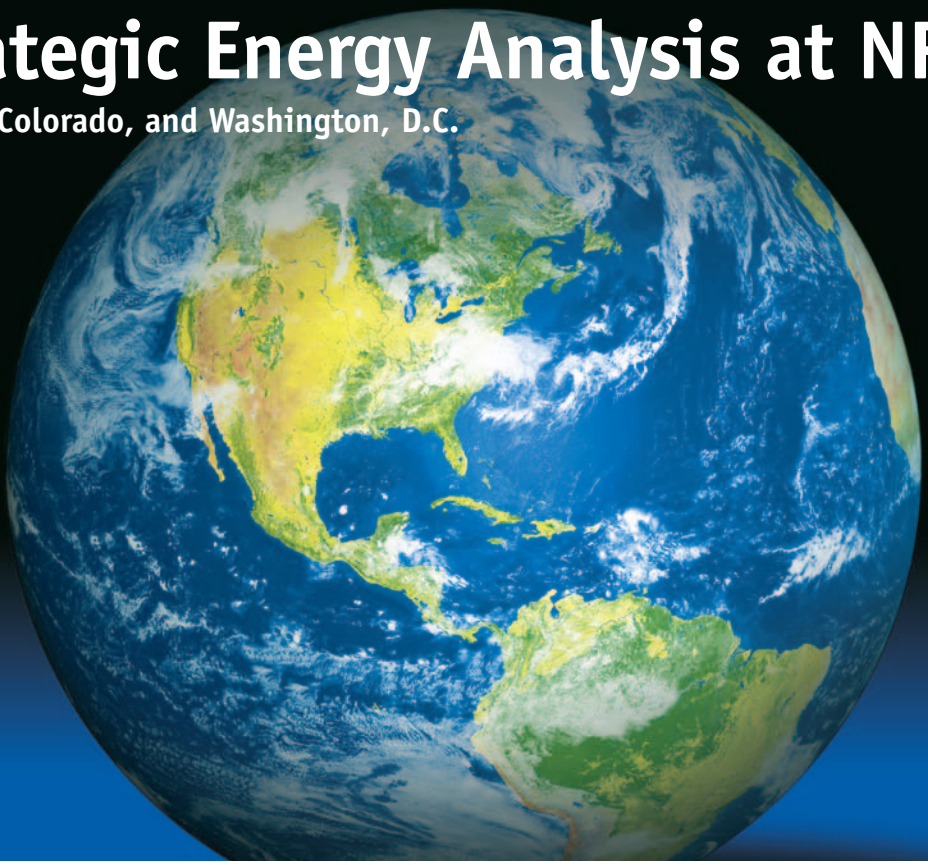
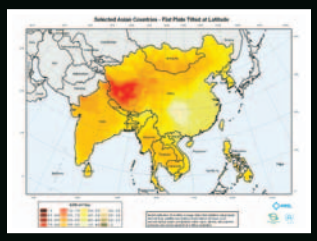
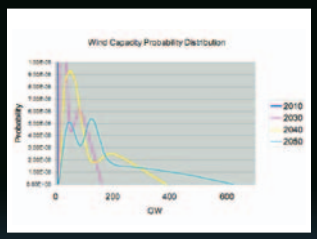
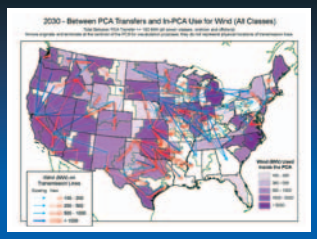
Strategic Energy Analysis at NREL

Golden, Colorado, and Washington, D.C.









NREL integrates and analyzes technical and economic information to improve understanding of the value of energy solutions. Strategic energy analysis examines several dynamic factors including global, national, and local markets; policies; energy resources; technology costs; environmental impacts; and infrastructure.

In an increasingly complex world, energy decisions require analysis of complex sets of data. Our crosscutting analysis integrates these data, providing stakeholders with the energy-efficient and renewable energy technology information needed to make necessary advances from concept to commercial application.

Partner with us.

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We leverage complementary capabilities and resources to advance understanding by partnering extensively with universities, research institutions, and industry. We also coproduce publications with many of these groups. Visit our publications library at www.nrel.gov/analysis/publications.html

Areas of Expertise:

- Resource availability and characteristics
- Technology and component performance and cost
- System performance and technology interfaces related to the overall system
- Benefits and impacts of programs, portfolios, markets, and policy options
- Complex decisions under uncertainty and risks
- Life-cycle assessment
- Environmental and climate effects (local and global)

Our Tools and Models Inform Decision Making in:

- Financial and technical performance of technologies
- Multisite and multitechnology financial screening/optimization
- Hybrid system economic/financial analysis
- Geospatial technology and resource planning
- Policy and R&D impact analysis
- Energy systems and infrastructure planning

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