EI SPC Energy Zones Mapping Tool
http://eispctools.anl.gov

Project Overview:
• Web-based Energy Zones Mapping Tool to identify areas within the Eastern Interconnection conducive to clean energy resource development.

Highlights of Energy Zones Mapping Tool:
• Provides clean energy resource data, screening criteria, and policy information on one website.
• Produces user-customized maps of areas that fit specified screening factors and criteria.
• Assists with clean energy resource development and transmission corridor planning.

Nine Clean Energy Resource Categories:
• Biomass
• Clean Coal (with carbon capture and sequestration)
• Geothermal
• Natural Gas
• Nuclear
• Solar
• Storage
• Water
• Wind

Modeling:
• Models determine suitability of Eastern Interconnection areas for developing clean energy technologies.
• Users customize model runs by adjusting screening parameters and weights.
• Models account for:
  - Clean energy resource availability
  - Land cover/landforms
  - Environmental factors
  - Population
  - Existing infrastructure
  - Other factors

Example Suitability Model Results for Land-Based Wind Resource
Data Catalog:

- About 250 GIS data layers, including:
  - Energy resource potential for nine clean energy resource categories
  - Environmental
  - Energy infrastructure
  - Transportation infrastructure
  - Geology
  - Hydrography
  - Land status
  - Demographics
  - Other categories
- Users have the ability to create and view detailed information about map features, and download most mapping layer data.

Reports:

- Reports can be run on a county, state, or specific analysis area or corridor drawn by the user.
- Report types:
  - Model results
  - Energy resources (10 reports)
  - Energy infrastructure (2 reports)
  - Corridors
  - Environmental (3 reports)

To register for the EISPC EZ Mapping Tool go to [http://eispctools.anl.gov](http://eispctools.anl.gov)
Direct EZ Mapping Tool web site questions and comments to eispctools@anl.gov