**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
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)

Example Map Content Showing Mean Annual Wind Speed and Turbine/Transmission Line Locations
(Source of transmission line data: Bentek, a division of Platts, copyright 2012 by the McGraw Hill Companies, Inc.)

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