



EcoProspector

A TARGETED APPROACH TO WIND PROJECT DEVELOPMENT

EcoProspector: Bringing a Clear Focus to Wind Project Development

Designed and developed by EcoEnergy, EcoProspector is a unique modeling tool that removes the guesswork and delays involved in siting wind projects and focuses time and effort on the right areas. EcoEnergy has used its real world lessons in wind project siting along with technical expertise to design the EcoProspector tool to provide a real competitive advantage in project evaluation and siting.

The EcoProspector Advantage:

- **Unique Approach** – EcoProspector is only available by working with EcoEnergy.
- **Increased Efficiency** – Using EcoProspector allows for a quick internal review of virtually any land area leading to better decisions earlier in the process without having to wait months or years for wind measurements.
- **Manage Expectations** – EcoProspector yields better information and more realistic expectations for both the developer and potential stakeholders.
- **Cost Savings** – With EcoProspector guiding development you can focus your efforts and better control costs.
- **Develop more projects** – A more focused approach and better managed public expectations makes the EcoProspector tool a powerful ally in the race to site new wind projects.

EcoProspector Summary

The EcoProspector model is a powerful in-house analysis tool that assesses the suitability of potential wind turbine sites using inexpensive and readily available GIS data. As output, EcoProspector provides maps and lists of prioritized landowners based on their ability to host turbines. The tool was developed in two phases that reflect the two ways in which it provides information: site suitability and prioritized landowners.

Phase 1: Site Suitability

EcoProspector Phase 1 is a landscape-scale model that allows the user to broadly compare the suitability of wind turbine sites between project areas. **The output of the model is a map of the chosen project that allows immediate visual inspection of best areas for wind turbines.** Because the output values are absolute rather than relative, maps of several projects may be compared for both suitability values and amount of available suitable land.

EcoProspector Phase 1 uses several types of data (*visual #2*). Unlike traditional methods, wind speed is a primary, but not the only input. In addition, EcoProspector uses a proprietary combination of spatial data that identify the best sites for wind turbines, decreases construction costs and optimizes turbine layout. The cells of each important data layer contribute values toward the final model that reflect the cells' suitability to site a turbine. For example, higher wind speeds contribute higher values to the final model.

The final EcoProspector map product allows the user to visually assess a project site for areas of potential suitability as well as areas that would negatively impact turbine siting.

Phase 2: Landowner Ranking

Phase 2 of EcoProspector provides an efficient and powerful tool for ranking landowners in order of importance for a project site. Parcel data is added to the Phase 1 output and an analysis conducted to assess how much land in each suitability category a particular owner has. The outcomes are ranked using a proven formula.

The final output is a table of landowners ranked by how many acres of highly suitable land they own. This table can be immediately used by Real Estate Department in the field to prioritize their work in the project community.

Predictions vs. Reality

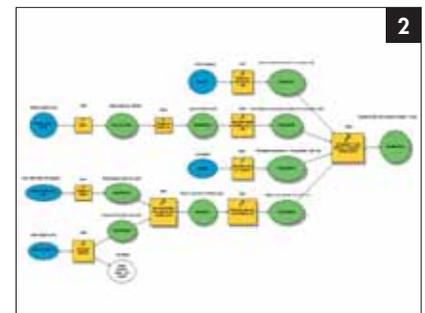
EcoProspector has been tested on several projects that already have turbine sitings completed, with high correlations between **EcoProspector predictions for the land with the highest suitability and where turbines were ultimately sited** (*visual #4*). EcoProspector allows rapid response with inexpensive and readily available information that saves money, time, and gives EcoEnergy a competitive edge in land acquisition and project success.



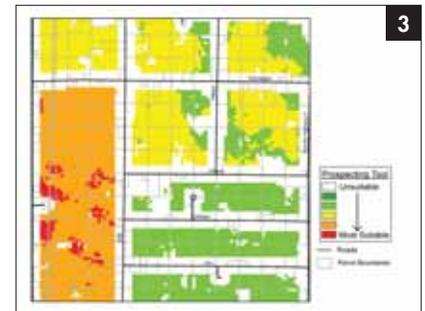
Our talented GIS team is the driving force behind EcoProspector



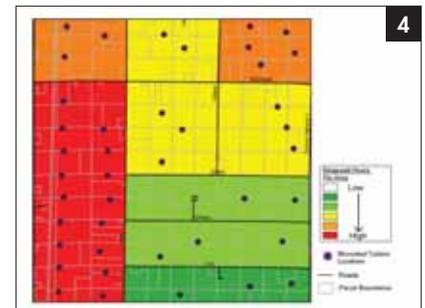
Prospect area defined



EcoProspector model applies a variety of factors



Area prioritized for targeting effort in days—not months



EcoProspector is tested and proven to yield accurate results