

# Developing the Power of Wind



## THE CHALLENGE

As the demand for wind energy increases worldwide, wind energy companies are challenged to develop reliable sources of wind power with maximum profitability. To respond to the opportunity, companies must prospect optimal resource areas, enlist community support, acquire the land, and design and develop the site, while balancing the multiple interests of landowners, environmental groups, regulatory agencies, and the public. Project success depends on several key steps: accurate needs and fatal flaw analyses, stakeholder meetings and facilitation, superior site design and development, and ongoing asset maintenance. Critical to each step is rapid on-line access to current geospatial information on the resource area and surrounding region.

## INTEGRATED SOLUTIONS

To assist energy firms with successful wind projects, Sewall offers full life-cycle support, including the development of the Sewall GeoPower™ Portal, an innovative web-based solution that gives firms the power to access, visualize and manage time-critical geospatial data, related information, and applications through a web browser. Our services include:

- ❑ Strategic planning & fatal flaw analyses
- ❑ Wind resource area (WRA) selection
- ❑ Stakeholder coordination and public relations
- ❑ Sewall GeoPower Portal for rapid access on-line
- ❑ On-line tax parcel search & GIS integration
- ❑ 3D site modeling & mapping, using web imagery
- ❑ Site design & development
- ❑ Web-based asset management

## THE BENEFITS

An integrated services company, Sewall provides wind energy firms with:

- ❑ One geospatial solution for multiple users
- ❑ One point of web access for time-critical information
- ❑ One point of contact for streamlined service
- ❑ One full-service consultant for lower project cost



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## INTEGRATED SOLUTIONS FOR WIND POWER PROJECTS

### Strategic Planning & Assessment

Project needs assessment  
Wind resource area (WRA) identification and selection  
Site and fatal flaw analyses  
Land appraisal

### Geospatial Data Development

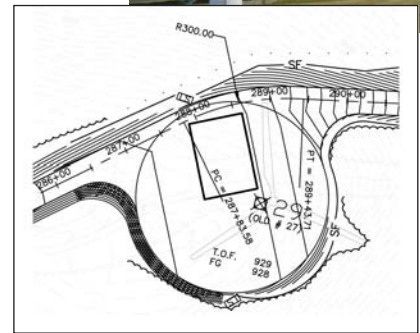
Aerial photography, GPS surveying, mapping, and digital orthophotography  
Acquisition of existing data on transmission lines, land parcels, and population  
3D site modeling & mapping, using web imagery  
Geospatial data conversion and integration with GIS

### GIS Consulting & Web Services

Web-based GIS development  
Sewall GeoPower Portal implementation  
Application development

### Engineering Services

Conceptual design and micrositing  
Assistance in acquiring leases, easements, and ROWs  
Permitting  
Stakeholder meetings and facilitation  
Site design, access road design, and construction management  
Web-based asset management and maintenance



For more information on Sewall's integrated solutions for wind energy projects, contact:  
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