

Tetra Tech is the first truly full-service wind energy environmental, engineering, and construction firm in North America. Within the last few years, Tetra Tech has worked on more than 450 wind projects across North America, totaling more than 22,000 MW, of wind generation in operation or scheduled for construction. We provide support to 20 of the top 25 wind power project developers and owners in North America.

Tetra Tech is rated #1 in Wind by *Engineering News-Record* (ENR). With extensive experience in wind construction, we have provided construction services to 30 projects in the past four years, totaling over half a billion dollars in revenue and representing well over 2,500 MW.

At Tetra Tech, we are committed to providing our wind energy clients with an integrated range of services from some of the most experienced experts in the industry. Because of our broad corporate and staff experience in the construction of wind farms, our development stage work has a uniquely practical focus. Choosing Tetra Tech ensures early consideration of constructability, respect for in-service schedules, and an appreciation for overall project economics.

Our integrated team of environmental, engineering, and construction professionals helps our clients achieve their development and operational objectives. Our goal for our clients is to cost-effectively develop, install, and maintain successful wind energy projects that generate an ongoing return on investment.



PERFORMANCE HIGHLIGHTS

- More than 450 wind projects across North America, totaling more than 22,000 MW wind generation in operation or scheduled for construction
- Providing support to 20 of the top 25 wind power project developers and owners in North America
- Tetra Tech has provided construction services to 30 wind projects in the past four years, totaling over half a billion dollars in revenue and representing well over 2,500 MW
- Ranked #1 in Wind for 2010 by ENR
- Depth and breadth of resources with more than 12,000 employees in 330 offices worldwide, including 3,600 employees in 50 Canadian offices
- Financial strength to stand behind large engineer, procure, and construct (EPC), balance of plant (BOP), and other construction projects, with \$2.29 billion in revenues

We are proud to be involved in industry-leading projects, including the following:

- **Canadian Wind Energy Association (CanWEA) Wind Energy Siting Handbook** — currently drafting Canada's industry guide for assisting wind developers in addressing regulatory and environmental issues. In 2008, Tetra Tech drafted the American Wind Energy Association (AWEA) Wind Energy Siting Handbook
- **Acciona Lamèque Wind Project, New Brunswick** — overcoming challenging winter weather and working within tight environmental restrictions, Tetra Tech successfully completed its first Canadian wind construction project
- **Bluewater Energy Delaware Offshore Wind Project** — providing a broad array of development services for the first US offshore wind project with a power purchase agreement with a major utility
- **Oklahoma Gas and Electric and CPV's OU Spirit and Keenan II wind energy projects** — from project inception through commissioning, Tetra Tech provided a full range of services to bring these wind projects on-line, on time
- **Kodiak Electric Association Pillar Mountain Wind Project** — Tetra Tech provided environmental, engineering and construction for Alaska's first award-winning utility-scale wind farm



Services

Tetra Tech provides a full spectrum of wind energy services – from initial siting through resource studies, permitting, transmission interconnection support, engineering, procurement, construction, operations, and even retrofitting of turbines. The Tetra Tech family of companies is among the largest and most geographically diverse wind energy service providers, with the broadest technical and project experience, financial stability, and a depth of resources not found in any other firm.

Development

Environmental

- Due Diligence
- Preliminary Siting
- Critical Issues Analysis
- GIS Application and Data Management
- Constraint Mapping
- Biological Resource Studies
- Cultural Resource Studies
- Heritage and Cultural Resource Studies
- Noise Assessments
- Shadow Flicker Assessments
- Visual Impact Assessments
- Interference Assessments
- Environmental Assessments and Permitting
- Community and Aboriginal Engagement
- Public Involvement

Engineering

- Engineering Studies
- Conceptual Design
- Generation Connection
- Geotechnical and Seismic Studies and Design
- Transportation Studies, Planning, and Permitting
- Detailed Design - Roads, Foundations, Electrical

Construction

- Constructability Review
- Conceptual and Final Budgets and Schedules
- Working with Local County/Municipal Officials
- Construction Permitting

Construction

Environmental

- Environmental Compliance Management and Inspection

Engineering

- Designing for Construction
- Subcontractor/Vendor Submittal Reviews
- Response to Requests for Information and Field Change Requests
- Management of Construction and Design Changes
- As-Built Drawings
- Field Services
- Construction Field Staking

Construction

- EPC Services
- BOP Services
- Construction Management
- Project Management
- Procurement
- Health and Safety Planning and Training
- Quality Assurance/Quality Control (QA/QC)
- Land Owner Management/Relationship

Operation

Environmental

- Post-Construction Environmental Services
- Monitoring and Compliance

Engineering

- Substation and Transmission Lines



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Representative Clients and Projects

Tetra Tech has worked on more than 450 wind projects. Some of our selected project experience is below:

- American Wind Energy Association (AWEA), Wind Energy Siting Handbook
- TransAlta Energy Corporation, Blue Trail Wind Power Project, Alberta, Canada
- Acciona Energy North America, Lamèque Wind Power Project, New Brunswick, Canada
- NRG Bluewater, Bluewater Offshore Wind Parks, East Coast, United States
- Generation Connection Services
- Flat Rock Wind Power, LLC, Maple Ridge Wind Farm, New York
- Acciona Energy North America, Aulac Wind Farm, New Brunswick, Canada
- Yukon Energy Corporation, Phase II Carmacks-Stewart Transmission Project, Yukon
- CPV Renewable Energy Company, Keenan II Wind Project, Oklahoma
- enXco Development Corporation, enXco Development Corporation Wind Energy Projects, Washington
- Enel North America, Castle Rock Ridge Wind Project, Alberta, Canada
- Kodiak Electric Association, Inc., Pillar Mountain Wind Project, Alaska
- Deepwater Wind Rhode Island, LLC, Block Island Wind Farm, Rhode Island
- Dowland Contracting Ltd., Tuktoyaktuk Wind Project, NWT
- PacifiCorp, Rolling Hills, Seven Mile Hill and Glenrock Wind Farms, Wyoming