Renewable Energy and Microgrid Services

Expertise and innovation for today’s demanding market

To help our clients respond to increasing demand for energy, volatile fuel prices, and mounting climate change concerns, Tetra Tech provides expert renewable energy solutions. Our industry-leading experts ensure that clients achieve their development and operational objectives through development-stage consideration of constructability, adherence to in-service schedules, and work that remains within budget.

Tetra Tech provides full lifecycle support for renewable energy projects and microgrids:

- **Project development**: feasibility study, permitting, environmental assessment, business case, and commercial assessment
- **Engineering services**: electrical, civil, structural, and power system study and design
- **Procurement**: equipment procurement, bid/tender recommendations, and vendor/contractor negotiations
- **Field services**: field testing, construction supervision, and commissioning
- **Project construction and management**: schedule and budget monitoring, environmental, and health and safety management

*Engineering News-Record (ENR)* ranks Tetra Tech #1 in Wind Generation, #3 in Solar Power, and #1 in Hydro Plants.
The Tetra Tech Advantage

- Publicly owned (NASDAQ: TTEK)
- 2.8 billion USD revenue (FY 2017)
- 17,000 employees in 400 offices worldwide
- Ranked #4 in ENR top 500 Design Firms
- Qualified team of professionals with diverse experience
- Successful long-term relationship with utilities, vendors, government, and private entities

We have supported 650 wind and 150 solar projects, more than 200 bio-mass and bio-fuel projects, more than 50 off-shore facilities, and geothermal and hydropower projects worldwide.

Project Highlights

Tetra Tech has provided engineering and consulting services in numerous projects for key clients in Canada and the United States, including Recurrent Energy, NextEra, Hydro One, Governor’s Office of Storm Recovery (GOSR), and Guelph Hydro.

**Microgrid Technical Advisory to New York GOSR**
Tetra Tech is providing technical advisory to GOSR in parallel to the NY Prize Community Microgrid Competition. Services include educational support, technical review of the project feasibility studies, design review, procurement, and funding advisory.

**Hydrostor Compressed Air Energy Storage System**
Tetra Tech was engaged to assess the design concept and efficiency of a Hydrostor Compressed Air Energy Storage System and prepared detailed design for the project.

**NextEra Energy Bluewater Wind Farms**
NextEra Energy engaged Tetra Tech to provide engineering services to for its 59-megawatt Bluewater wind farm. Services included collection, switching station, and transmission line design; detailed engineering including geo-technical, procurement, and construction specifications; and procurement, construction, and commissioning support.

**Recurrent Energy Solar Farms**
Tetra Tech supported Recurrent Energy with its portfolio of 19 solar farm projects located across Ontario (total capacity of 150 megawatts). We prepared construction plan reports, design and operations reports, a decommissioning plan, a site plan, PV panel layout, road locations, and environmental constraints.