Wind Power in Connecticut
Overview

• Founded in 2002 and headquartered in Boston with 200+ employees at offices and project sites around the U.S.
• Wind projects range from 15 – 205 MW, situated on private, state and federal lands
• Vertically integrated to develop projects from conception through operations
• Successfully raised over $6 billion to convert development projects into operating assets
• Utilize innovative technology and transmission solutions to bring stable, long-term contracts to utilities and customers in high-demand markets
Core Markets

WEST
306 MW | 105 MW

Mars Hill 42 MW
Stetson I + II 87 MW
Sheffield 40 MW
Steel Winds I 20 MW
Steel Winds II 15 MW
Cohocton 125 MW

HAWAII
81 MW | 90 MW

Kawailoa 69 MW
Kahuku 30 MW
KWP I 30 MW
KWP II 21 MW
Milford I 204 MW
Milford II 102 MW

TOTAL
750 MW | 195 MW

NORTHEAST
385 MW

Rollins 60 MW

WEST
306 MW | 105 MW

NORTHEAST
385 MW

TOTAL
750 MW | 195 MW

HAWAII
81 MW | 90 MW

Operating Project ★ Construction Project ★ Advanced Development ▲ First Wind Office, HQ

C L E A N   E N E R G Y.   M A D E   H E R E.®
Operating Fleet 750 MW

KWP I
Maui, HI
30 MW; 20 GE 1.5
COD 06/2006
21 MW Phase II
Under Construction

Mars Hill
Mars Hill, ME
42 MW; 28 GE 1.5
COD 03/2007

Steel Winds I + II
Lackawanna, NY
35 MW; 14 P&W 2.5
COD 06/2007 & 01/2012

Cohocton
Steuben County, NY
125 MW; 50 P&W 2.5
COD 01/2009

Stetson I + II
Washington County, ME
83 MW; 55 GE 1.5
COD 01/2009 & 03/2010

Milford I + II
Millard & Beaver Counties, UT
306 MW
58 P&W 2.5 + 107 GE 1.5

Kahuku
Oahu, HI
30 MW; 12 P&W 2.5
COD 3/2011

Rollins
Penobscot County, ME
60 MW; 40 GE 1.5
COD 07/2011

Sheffield
Sheffield, VT
40 MW; 16 P&W 2.5
COD 10/2011

Palouse
Whitman County, WA
105 MW
Under Construction
Anchored in New England

A Local Partner

- Headquartered in Boston
- ~100 based New England based employees
- Developed first utility scale wind project in New England: **Mars Hill – 42 MW**
- 5 projects (225 MW) operating in New England
- >500 MW in NE development pipeline, including construction projects and prospects in Western Mass
First Wind Innovation

Consistently demonstrated leadership in Innovation, Environmental Stewardship, and Community Engagement

**Siting**
- Steel Winds (20 MW) – Development on Industrial Site

**Environmental**
- KWP (30 MW) – Development with Habitat Conservation Plan

**Financing**
- Stetson Phase II (26 MW) – Unique PPA off-take with Harvard University

**Transmission Engineering**
- Milford (204+ MW) – Developed 88-mile Generator Lead

**Technology**
- Kahuku (30 MW) – Integrated 15 MW Battery Energy Storage System

Our first-in-the-state Sheffield Wind project required considerable environmental innovations in Vermont.
Land Procurement

Wind Resource Assessment and Monitoring

Public Outreach

Permitting

Turbine Procurement

Transmission and Interconnection Management

Power / REC Contracts

Project Financing
Wind Resources

 Connecticut - Annual Average Wind Speed at 80 m

Wind Speed
m/s
>10.5
10.0
9.5
10.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
<4.0


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C L E A N   E N E R G Y.   M A D E   H E R E.®
Not Just Good Wind...

What Successful Projects Need:

Permitting
• Clear, reasonable standards.
• Science-driven decision making.

Revenue
• Strong Renewable Portfolio Standards.
• Bi-lateral PPA opportunities.

Interconnection
• Timely and reasonable interconnection process.

Community and politics
• Support from host communities, businesses and politicians.
• Pro-business climate.

The 42 MW Mars Hill Project in Northern Maine.
To learn more about clean, renewable wind energy, visit:

www.firstwind.com

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