

CASE STUDY

Confidential Wind Project in Maine

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BACKGROUND

A wind project has been proposed for the construction and operation of 20 to 24 wind turbines to be located in Maine. The project will also likely include a power substation and transformers, access roads and transmission lines. The entire project area is within the jurisdiction of the Maine Department of Environmental Protection (MEDEP) and the US Army Corps of Engineers (Corps).

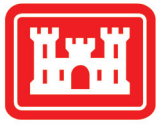
A number of other permits may also be required for the project, including local permits and approvals, licenses from FAA, FERC, ISO New England, and other energy-related regulators to be able to construct and operate the facility.

THE CHALLENGE

As with all energy projects, time and cost are key to having a successful project. Also of great importance is the ability to design and construct a project that is environmentally friendly and consistent with the stakeholder's uses of the area. As part of the project Team, it is Normandeau Associates' responsibility to provide environmental information, permitting support and design consultation, as required, to ensure that the project is permitted on schedule.

Normandeau will be responsible with the inventory of natural resources, and with the development of information required for the submittal of State and Federal environmental permit applications. In addition, if the project proceeds forward to the permitting stage, Normandeau will be responsible for the preparation of Federal and State environmental permits.





**US Army Corps
of Engineers®**



THE SOLUTION

To ensure compliance with the tight schedule of the project, the Normandeu Team developed a phased approach that will help achieve a cost-effective and timely completion of the planning process as well as the preparation of environmental permit applications. The phases and associated tasks of this approach include:

Phase I Baseline Resource Inventories, Agency Consultations, Site Evaluations, Initial Planning and Design Assistance;

Phase II Spring Surveys and Permit Application;

Phase III Permit Decision Support including Direct Testimony.



Normandeu Associates is conducting natural resource surveys and permitting tasks based on agency consultation and stakeholder input. Activities include wetland delineations, rare species/communities investigations, and wildlife surveys. Surveys are being completed within proposed development areas required to accommodate turbine arrays on mountain ridgelines, as well as within transmission line corridors and miles of access roads.



Normandeu is also providing permitting services, leading the project team in preparing and submitting Federal and State environmental permit applications. The permitting task involves the oversight of subcontractors who are responsible for completing specialized technical tasks to include: soil surveys, visual simulations and impact assessments, noise evaluations, archaeological and historic resource inventories, and impact assessments.

About Normandeu Associates

Normandeu Associates, Inc., an employee-owned company, was founded in 1970 as an environmental consulting firm. Today, Normandeu is considered one of the nation's foremost companies in the field. Our deep and broad background as both environmental and public involvement consultants provides a wealth of knowledge and experience in disciplines ranging from environmental assessment and permitting to stakeholder interviews and facilitation.

From offices nationwide, Normandeu's staff of over 170 employees work closely with clients, regulators, and the public to seek solutions that enhance economic development, meet regulatory requirements, protect and restore natural resources, and improve communities.

Our diverse team includes marine, aquatic, wetland, and terrestrial ecologists; environmental planners; fisheries biologists and limnologists; ornithologists and botanists; soil scientists, geologists, and hydrologists; engineers; statisticians and data processing specialists; report production personnel; and public involvement professionals.

Normandeu Associates, Inc., combines experience, continuous training, hard work, and a rigorous commitment to excellence to deliver the highest possible level of service to our clients.

