



Feasibility Study for Wind Turbine

North Coast Seafoods, New Bedford, MA

The Horsley Witten Group (HW), as a subcontractor to Cape and Islands Self-Reliance Corporation, provided site feasibility studies and permitting strategies in support of a wind turbine proposal to be located at and operated by the North Coast Seafoods Company in New Bedford, MA. Funding was granted from the Massachusetts Technology Collaborative (MTC)

The single wind turbine is proposed to be located in a recently remediated brownfield site along the New Bedford Harbor waterfront and will generate 1.5 megawatts for the energy intensive activities at the seafood fish processing plant.

HW collected and evaluated data for the purpose of characterizing site suitability for a wind turbine. Areas assessed included soils, wetlands and coastal resource areas, avian species and migration routes, rare or endangered plants and animals, groundwater, public water supply, flood zones, vegetative cover, oil and/or hazardous materials, site remediation, and other information concerning site characteristics relevant to permitting and development. The product of this task was a constraints map for the site and surrounding area.

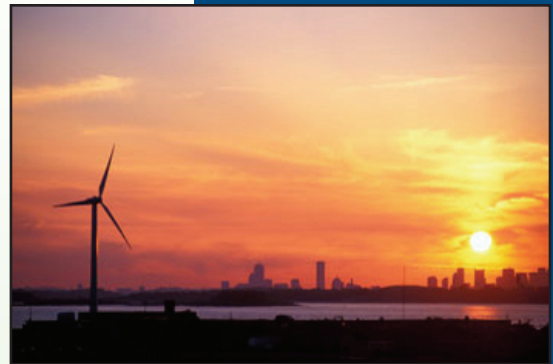
This information was then used to evaluate possible regulatory impacts and to scope regulatory permitting needs. HW compiled applicable regulations, contacted specific agencies and organizations with regulatory review authority, and evaluated what regulatory reviews and permits will be needed including local zoning, planning and building restrictions, wetlands and coastal permitting. A permitting matrix was developed which succinctly described permits and reviews likely to be needed, as well as permitting timeframes.

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