

RENEWABLE ENERGY QUALIFICATIONS FOR:

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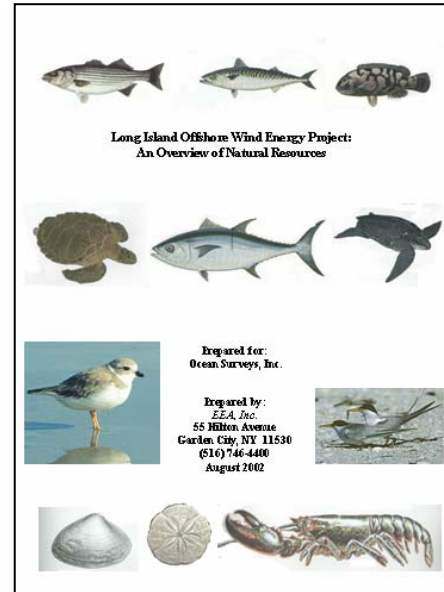
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DESKTOP STUDY OF THE MARINE ENVIRONMENT FOR LONG ISLAND POWER AUTHORITY'S OFFSHORE WIND ENERGY PROJECT – PHASE 1.

Client: Long Island Power Authority

EEA, as part of the Long Island Offshore Wind Initiative team, assessed natural resources and sensitive issues in the Atlantic Waters in a study for the siting of an offshore wind farm in the waters off Long Island. The assessment addressed existing resources and potential concerns regarding finfish, including commercial and recreational finfish; marine invertebrates and mammals; avifauna; herpetiles; artificial reefs; surf clams and the U.S. Army Corps of Engineers' use of proposed offshore sand borrow areas for beach nourishment. A second objective of the Phase 1 study was to narrow down the study area, which went from Montauk Point to Long Beach, and select a smaller zone for more intensive analysis. Ultimately, the zone selected were the waters south of Jones Island.



OFFSHORE WIND ENERGY SYSTEM PERMITS REQUIRED & FEASIBILITY EVALUATION – PHASE 2

Client: Long Island Power Authority



EEA conducted a permitting feasibility assessment of the proposed offshore wind energy system planned for the waters south of Jones Island. The assessment focused upon permitting issues regarding marine waters, wetlands, water quality, effluent discharge to surface water, water supply and wells, coastal erosion, coastal issues, fish and wildlife, aviation and air space, and the requirements for the preparation of an EIS under NY State Environmental Quality Review Act (SEQRA). Facility and site design modifications were identified to facilitate state and federal agency approvals.

PREPARATION OF AN ARTICLE VII APPLICATION FOR THE PROPOSED OFFSHORE WIND PARK

Client: KeySpan Energy

EEA was contracted by KeySpan Energy to prepare an Article VII Application for the Offshore Wind Park Interconnection to be submitted to the Public Service Commission. EEA conducted field studies of the marine environment in Great South Bay and terrestrial environment on both Jones Island and the mainland along proposed transmission cable routes. The results of the field studies were complimented with a literature review and assembled in text form for the Article VII Application and supporting exhibits.



PREPARATION OF MAJOR SECTIONS OF A FERC FILING FOR A PROPOSED UNDERWATER HIGH PRESSURE GAS TRANSMISSION PIPELINE

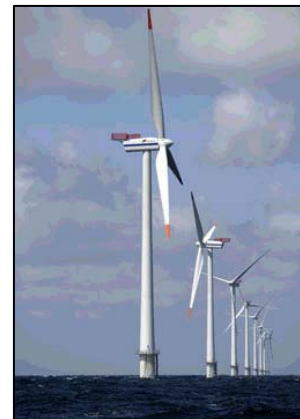
Client: Consortium; Long Island Lighting Company, Brooklyn Union Gas, East Texas Gas, Transcontinental Gas Company.

EEA staff scientists provided major environmental sections for a FERC Filing for a proposed new 38-mile high-pressure gas transmission pipeline from Raritan, NJ to the East Rockaway Generating Station. Besides conducting literature searches and assessing baseline data, EEA also conducted a sediment quality survey at 76 stations located along the proposed undersea route. Terrestrial ecology field studies were also conducted along an alternative corridor that cut across Staten Island before proceeding offshore. The FERC Filing was essentially completed but the project was terminated for financial reasons.

DESKTOP STUDY OF NEW JERSEY'S MARINE ENVIRONMENT FOR ATLANTIC RENEWABLE ENERGY CORPORATION'S OFFSHORE WIND ENERGY PROJECT

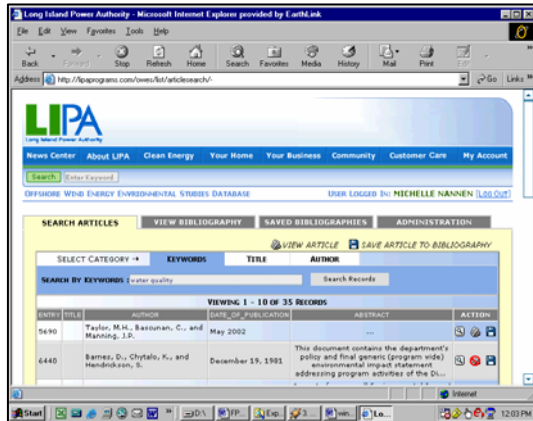
Client: Atlantic Renewable Energy Corporation

EEA, working for AWS Scientific, assessed natural resources and sensitive issues in the Atlantic Ocean and Delaware Bay in a desktop study for the siting of an offshore wind park in the waters off New Jersey. The assessment addressed existing resources and potential concerns regarding finfish, including commercial and recreational finfish; marine invertebrates and mammals; avifauna; herpetiles; artificial reefs; surf clams and the U.S. Army Corps of Engineers' offshore sand borrow areas for beach nourishment.



OFFSHORE WIND ENERGY DATABASE – COMPILATION OF EUROPEAN STUDIES ON EXISTING FACILITIES AND BASELINE INFORMATION ON SITE CHOSEN FOR LONG ISLAND’S OFFSHORE WIND ENERGY PROJECT

Client: Long Island Power Authority



EEA has compiled over 900 documents related to offshore wind energy and baseline environmental data on the site chosen for the Long Island Offshore Wind Energy Project. The documents, including: European environmental reports, Environmental Impact Assessments, support structure information, wind data prediction, biological data from Long Island, and local newspaper articles and community outreach information, have been incorporated into the database. This database has been used for background information in several Environmental Impact

Statements and natural resource assessments.

DESKTOP STUDY OF DELAWARE’S MARINE ENVIRONMENT FOR BLUEWATER WIND’S OFFSHORE WIND ENERGY PROJECT

Client: Bluewater Wind

EEA, working for Ocean Surveys, Inc., assessed natural resources and sensitive issues in the Atlantic Ocean and Delaware Bay in a desktop study for the siting of an offshore wind park in Delaware’s waters. The assessment addressed existing resources and potential concerns regarding finfish, including commercial and recreational finfish; marine invertebrates and mammals; avifauna; herpetiles; and oyster beds in the Delaware Bay.

ROOSEVELT ISLAND TIDAL ENERGY STUDY

Client: Verdant Power

EEA has been working with Devine Tarbell and Associates and BioSonics on a renewable energy project located in the East River. Underwater turbines will be placed on the floor of the East River and used to produce energy for Roosevelt Island in New York City. Fisheries studies were conducted in the project area using Hydro acoustics and bottom trawls. The preliminary six month study was conducted in response to agency concerns and will be continued after the turbines are in place to assess the finfish populations utilizing the project area.



ENVIRONMENTAL MONITORING FOR A CROSS BAY ELECTRIC TRANSMISSION CABLE

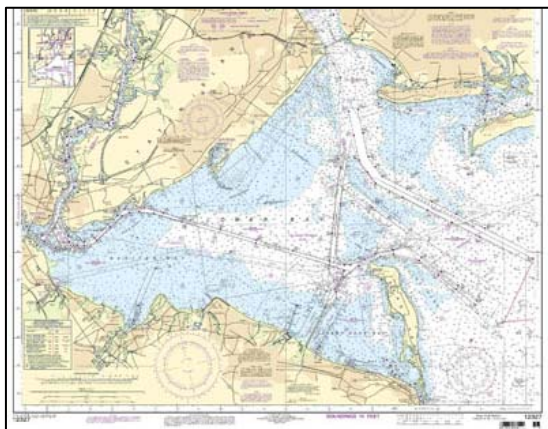
Client: KeySpan Energy

During 2003, EEA staff assisted KeySpan Energy during the planning and installation of a cross Great South Bay electric transmission cable from East Islip to Ocean Beach, NY. Specifically EEA planned the environmental program, primarily a turbidity measurement project and conducted field measurements for 23 consecutive days along the six mile route. A report was produced and submitted to the client and to the regulatory agencies.



ENVIRONMENTAL AND SITING STUDIES FOR THE CREATION OF AN OFFSHORE ISLAND IN THE LOWER NEW YORK BIGHT

Client: Port Authority of New York and New Jersey (PANJNY)



During the early 1990's, EEA Senior Scientists were requested by PANYNJ for a conceptual assessment, then confidential, exploring the environmental and permitting ramifications of the creation of a large offshore island in the lower New York Bight. EEA staff scientists devised a project strategy that first assessed the Bight in terms of a number of features including oceanography, bottom (sediment) types, natural resources including commercial and recreational fisheries, dredge disposal sites, navigational channels, prevailing winds and potential for artifacts such as wrecks. After all the

information was compiled exclusion areas for island construction were identified and the remaining zones characterized for feasibility. Permitting jurisdiction was identified and an assessment made of the overall probabilities of preparing a successful EIS and related permits.

WASTE TO ENERGY FACILITY: MARINE PERMITTING REQUIREMENTS AND FEASIBILITY EVALUATION AT THE SHOREHAM SITE

Client: American Ref-Fuel



The purpose of this evaluation was to identify the non-air permits required and to assess the likelihood of obtaining permits for a waste to energy facility utilizing a closed cycle cooling system located on Long Island, New York. AMR's plan was to utilize the Shoreham Facility to locate an Enclosed Barge Unloader Facility (EBUF) to unload barges containing 2,000 tons per day of New York City Mixed Solid Waste (MSW). The waste would be burned in a newly built waste to energy facility producing up to 140 MW of power. EEA's assessment focused upon marine resources, dredging, impingement and entrainment concerns, wetlands, water quality, solid waste, effluent discharge to surface water, water supply and wells, coastal erosion, fish and wildlife, air space and aviation,

navigation and an overall EIS preparation according to NY SEQRA. The project also involved the identification of site layout and design features assistance that will facilitate agency approval of the project.

GENERAL ENVIRONMENTAL CONSULTING SERVICES

Client: American Ref-Fuel Company

Since 1992, EEA staff have performed a number of environmental programs for the American Ref-Fuel Company. Resource Recovery plants in Hempstead, NY, Essex, NJ, and Niagara Falls, NY, have been the subjects of numerous studies on various environmental subjects including waste water flows, wetland creations, hazardous materials investigations and specialized permitting strategies. These varied programs have encompassed literature, field and advice and counsel efforts.

