

PROJECT: New 18-Mile 345kV Underground Transmission Lines; Boston, Milton, Canton, Stoughton, MA

CLIENT: NSTAR Electric

GIS analysis of natural and human environmental parameters was an integral component to initial route selection, ranking, and refinement, narrowing an initial universe of 30+ routes to a preferred and noticed alternative route. Epsilon developed detailed ranking sheets which incorporated detailed impact calculations and route segment descriptions. Epsilon produced high quality graphics for Expanded Environmental Notification Form (EENF) and Energy Facilities Siting Board (EFSB) filings, as well as public meetings.



PROJECT: Besicorp-Empire Development Projects; Rensselaer, NY

CLIENT: Besicorp-Empire Development Company, LLC



Epsilon provided detailed GIS maps and environmental impact analyses to support the preparation of Article VII applications, Army Corps of Engineers Permit applications, and supporting Wetland Delineation Reports for a proposed 345 kV transmission line, high pressure natural gas pipeline, recycled newsprint facility, and power generating plant.

PROJECT: KeySpan Sagamore Line Reinforcement Project; Cape Cod, MA

CLIENT: KeySpan Energy

GIS was employed as a tool for route selection and environmental impact calculation, as well as for graphic support for a host of permit filings. Epsilon created 3-D flyovers of the preferred and alternate pipeline routes to aid in route planning and visualization.



PROJECT: Nantucket Cable Project; Cape Cod & Nantucket, MA

CLIENT: Nantucket Electric

Epsilon provided data compilation and mapping support for this undersea electrical cable connecting Cape Cod and Nantucket Island. GIS was employed for route refinement, alternatives analysis, and constraint mapping at inland substation sites and coastal landfall locations, incorporating ecological, hydrological, and cultural data.



PROJECT: Weaver’s Cove Energy Proposed LNG Terminal; Fall River, MA

CLIENT: Weaver’s Cove Energy, LLC



Epsilon performed an in-depth GIS analysis of alternative locations for the company’s proposed Liquefied Natural Gas (LNG) import terminal. A total of nine alternative sites were analyzed in a GIS framework to compare environmental impacts, land area requirements, land use characteristics, and safety concerns. Epsilon acquired current aerial photography for each site and quantified impact variables for comparison between sites.

PROJECT: Wind Energy Siting Projects, New England

CLIENT: Confidential Clients

Epsilon has been involved in a number of wind power siting projects in Massachusetts and New England. GIS is utilized to analyze environmental, topographic, and infrastructure data to evaluate coastal and inland wind turbine sites.

