



Representative ESS Projects

Astoria Generating - Repowering
Queens, NY

**Berkeley Investments,
Wellington IV Telecommunications Facility**
Everett, MA

Athens Generating Station
Athens, NY

The Hudson Project
NJ/NY

Cross Hudson Project
Ridgefield, NJ to Manhattan; Hudson River

Cape Wind Renewable Energy Project
Nantucket Sound, Cape Cod, MA

Lake Road Generating Station Unit #4
Killingly, CT

Russell Station Replacement
Rochester, NY

Tiverton Power
Tiverton, RI

Massachusetts Maritime Wind Project
Buzzards Bay, MA

Marble River Wind
Clinton and Ellenburg, NY

Aggregate Industries
Saugus, MA

ESS Group, Inc. (ESS) staff members draw upon decades of noise engineering and assessment experience to provide quantitative noise assessment services for projects ranging from energy and transportation to manufacturing and real estate. Our noise consultants help clients understand regulatory requirements and develop cost effective solutions and compliance strategies.

ESS noise measurement programs confirm existing conditions and can be used to cost effectively demonstrate compliance with Federal, state, and/or local noise limits. We use state-of-the-art equipment to measure background noise levels and design short or long-term noise monitoring programs tailored to the needs of each project. Our projects range from single source evaluations to large, complex developments. ESS also recommends siting, mitigation, and monitoring strategies where necessary, including noise control measures for the retrofit of existing facilities.

For new sources, ESS engineers predict potential noise impacts and guide site and equipment selection using state-of-the-art computational noise models. These models incorporate industry standards for outdoor sound propagation and generate graphics of noise exposure contours (isopleths) to produce results that are clear and easily understood by the client and stakeholders. The results of this predictive modeling are critical in demonstrating how new facilities will meet applicable noise impact criteria.

ESS engineers serve as expert witnesses on noise issues before regulatory agencies and siting boards. We participate in public hearings and conduct public outreach to communicate the expected noise effects of a project to affected communities. Based on our experience, this proactive communication with key stakeholders is essential to the success of any project.

Overview of Noise Assessment Services

- Site Feasibility Analysis and Selection
- Background (Ambient) Noise Measurements
- Noise Prediction Modeling
- Noise Impact Assessment
- Noise Abatement Design
- Noise Study Reports
- Expert Testimony and Siting Board Representation
- Public Hearing Participation and Public Outreach
- Compliance Testing

