Welcome to Naval Station Newport
Open House
Proposed Development of Wind Turbines
January 27, 2011

Naval Station Newport is the third largest employer in the State of Rhode Island and one of the largest consumers of electricity in the state.

This project will help Naval Station Newport to maximize the Navy's ability to meet or exceed renewable energy goals. This will ensure the long term sustainabilty of Naval Station Newport.

Naval Station Newport Mission: Fulfill the diverse requirements of its tenant commands by providing facilities and infrastructure that are essential to their optimum performance.

Property

- Spans the three towns of Newport, Middletown, and Portsmouth
- 1,500 acres
- $1.9 billion property value

Personnel

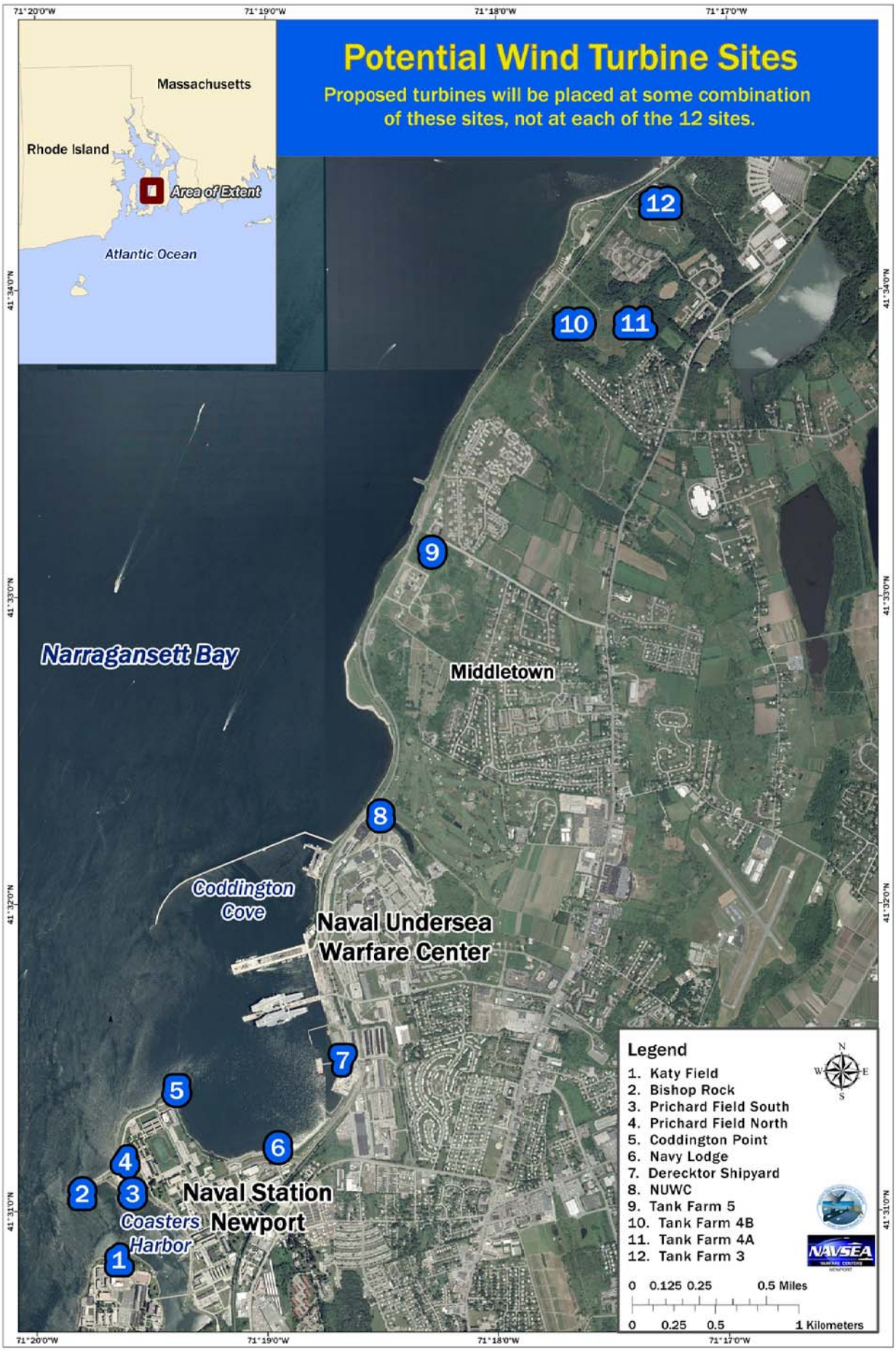
- Total payroll of $450 million
- 5,075 employees
- 50 tenant commands and activities
- 17,000 students annually

Purpose of the Project

- Naval Station Newport has identified the need to create a cost efficient and technically feasible wind energy project.
- Naval Station Newport must become more self-sufficient and maximize the Navy's ability to meet or exceed renewable power supply goals mandated in the Energy Policy Act of 2005 and Executive Order 13423.
- Naval Station Newport is one of the largest consumers of electricity in Rhode Island, spending an average of $12 million annually.
- The base load electrical consumption is approximately 9 megawatts. The proposed wind turbine project could produce up to 9 megawatts of power, representing 26% of current annual electrical consumption with at least $3 million in annual savings.
- All electricity generated by the project's turbines would be consumed by Naval Station Newport.

Wind Turbine Proposal

- Construct wind turbines capable of producing up to 9 megawatts of power at some combination of twelve sites on Naval Station Newport.
- The placement, size, and number of turbines will be determined based on a combination which would result in a project best meeting the purpose and need.
- The project includes the construction, operation, maintenance and eventual decommissioning of wind turbines and associated support facilities.


Potential Wind Turbine Sites
Proposed turbines will be placed at some combination of these sites, not at each of the 12 sites.
Massachusetts
Rhode Island
Area of Extent
Atlantic Ocean
Narragansett Bay
Middletown
Coddington Cove
Naval Undersea Warfare Center
Naval Station Newport
Coasters Harbor
1
2
3
4
5
6
7
8
9
10
11
12
Legend
1. Katy Field
2. Bishop Rock
3. Prichard Field South
4. Prichard Field North
5. Coddington Point
6. Navy Lodge
7. Derecktor Shipyard
8. NUWC
9. Tank Farm 5
10. Tank Farm 4B
11. Tank Farm 4A
12. Tank Farm 3
0 0.125 0.25 0.5 Miles
0 0.25 0.5 1 Kilometers
71°20'0"W
71°19'0"W
71°18'0"W
71°17'0"W
41°34'0"N
41°33'0"N
41°32'0"N
41°31'0"N

Process for the Evaluation of the Wind Turbine Proposal

- The Navy has initiated an Environmental Assessment in accordance with the National Environmental Policy Act.
- The Environmental Assessment will evaluate the suitability of placing turbines on several potential sites, and will identify combinations of turbine sizes and placements.
- Placement and sizes of turbines will be based on the following criteria:
  - Compliance with the Federal Aviation Administration constraints on height
  - Efficient and cost effective construction and maintenance
  - No significant adverse impact on natural resources, cultural resources, protected species, human environment or socioeconomics of the region
  - Geotechnical requirements for structural considerations
- The Navy is coordinating with federal and state agencies.

The Development Process: Steps and Schedule

- Complete Supporting Studies
  - Bird and Bat Biological Survey (January 2011)
  - Historical Assessment Viewshed Study (February 2011)
  - Avian Radar Survey (February 2011)
  - Noise and Shadow Flicker Study (February 2011)
  - Marine Mammal Observation Study (February 2011)
  - Wind Study (May 2011)
- Complete Environmental Assessment (August 2011)
  - Determine whether or not this action will produce significant impacts
  - Continue National Environmental Policy Act process
- Publish a Notice of Finding of No Significant Impact or Intent to Proceed to an Environmental Impact Statement