The potential for offshore wind energy in NH and Maine

A U.S. Dept. of Energy report in June 2010 found that:
- There are 40,000 Megawatts (MW) of wind power potentially available within 30 miles of the coast of New England, more than the region’s current total need.
- Offshore of NH’s tiny seacoast, there are at least 2,600 MW of wind power potentially available – enough to provide current needs for the entire state.

A Report from the State of Maine in December 2009 found that:
- There are up to 150,000 MW of wind power available within 50 miles of the Maine coast alone, the highest concentration of wind energy anywhere in the country!

What’s Happening Now:
- The State of Maine has proposed to provide 5,000 MW of offshore power by 2030 – more than twice what Maine currently uses – and 500 MW by 2020.
- A Google-led consortium recently pledged $5 billion to build an underwater transmission line up the East Coast over the next decade, to transfer power throughout the electric grid, from wherever generated to wherever needed.
- The US Department of Energy says we could generate 10,000 MW of offshore wind power by 2020 and 54,000 MW by 2030 on a national level.
- Offshore wind turbine technology has come a long way. The latest designs feature floating turbines which allow for cheaper installation, placement further offshore, and much less interference with marine and bird life.

Why the Portsmouth Naval Shipyard (PNSY)?
- PNSY devotes huge financial resources and key waterfront real estate to the maintenance and refueling of Cold War-era submarines which are costly, often impracticable and increasingly unnecessary.
- PNSY is ideally suited as a technology research, fabrication and maintenance facility because it:
  - contains significant waterfront industrial infrastructure - dry docks, heavy lift cranes, warehouses.
  - has an existing workforce trained in marine engineering, construction/repair and maintenance.
  - is perfectly located for deep-water access to Maine, New Hampshire and Mass. offshore sites.
A Precedent for Public – Private Partnerships:
A US Navy program designed for this very application, the “Enhanced Use Leasing Program,” allows the Navy to “maximize the utility and value of real property” and provide “greater flexibility for facility use and reuse.” Other military facilities around the country are already hosting private development, including renewable energy projects.

A Vision for Seacoast Future Power Needs:

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<tr>
<td><img src="image1" alt="Schiller Coal Plant - Portsmouth, NH" /></td>
<td><img src="image2" alt="5 MW Wind Turbines, off Germany" /></td>
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<td>- One-half million tons CO₂ per year</td>
<td>- Zero pollution, minimal impact</td>
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<td>- Mercury, smog, acid rain</td>
<td>- Modular, resilient, reliable</td>
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Sustainable Power, Sustainable Jobs & Economy

► The State of Maine wind power plan would bring $20 billion to the state economy and create 15,000 jobs!
► Green tech. is among the fastest growing sectors, and offshore wind could bring $15 billion to coastal ports
► Studies show that military maintenance is much less job-intensive than other industries, including green ones

The Future is Ours to Build

We don't need our tax dollars forever going to maintain increasingly unnecessary nuclear-powered submarines.

We need clean energy, green jobs and a sustainable future.


Funded in part by: Anne Slade Frey Charitable Trust and NE Grassroots Environmental Fund

For more information or how to get involved, please contact Doug Bogen at dbogen@metrocast.net

Reports mentioned above: