Overview

• Welcome and Introductions
• Report Summary
• Case Study Perspectives
• Audience Q&A
• Wrap Up
Island Institute

- Work to sustain Maine’s island and rural coastal communities and exchange ideas and experiences to further the sustainability of communities in Maine and elsewhere
  - **Offshore wind and ocean planning:** information dissemination, convening, environmental research, fisheries mapping, prioritizing local benefit
Islanded Grid Resource Center

MISSION
Remote communities’ limited resources and high energy costs threaten their long-term sustainability and economic viability. The Islanded Grid Resource Center’s is committed to building a network of utilities, wind operators, government agencies, researchers, technical experts and others to promote collaboration and share information so communities can work together to solve the energy challenges and opportunities facing remote grids, specifically, those involving wind power.

www.islandedgrid.org

FOCUS AREAS
- Wind-Diesel Systems
- Megawatt-Scale Systems on Islanded Grids
- Support for Island Communities in Close Proximity to Proposed Commercial-Scale Offshore Wind and Other Ocean Energy Projects

HUGE GEOGRAPHY
The center focuses on U.S. states and territories, but is open to any interested party. Participants are currently located in Alaska, Maine, Massachusetts, Rhode Island, Hawaii, Guam, American Samoa, Commonwealth of Northern Marianas, and U.S. Virgin Islands.

REAP
Renewable Energy Alaska Project
WINDEExchange is the U.S. Department of Energy (DOE) Wind Program's hub of stakeholder engagement and outreach activities. The purpose of WINDEExchange is to help communities weigh the benefits and costs of wind energy, understand the deployment process, and make wind development decisions supported by the best available science and other fact-based information. http://energy.gov/eere/wind/wind exchange
Report Goals

• Highlight the need and opportunity to engage island and coastal communities in the process of siting new ocean uses including offshore wind;
• Inform the development of best practices for engaging stakeholders that are being developed through the offshore wind industry and the regional ocean planning process;
• Connect what we are seeing “on the ground” in New England with global research efforts
Acknowledgments

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- Case study representatives
- Report reviewers
- Sarah Klain and Island Institute staff team

www.islandinstitute.org/oswreport
Engaging Communities in Offshore Wind: Case Studies and Lessons Learned from New England Islands
In your opinion, construction of offshore wind turbines off the coast of your state should be:

- Encouraged: 80% of respondents
- Tolerated: 10% of respondents
- Discouraged: 2% of respondents
- Prohibited: 1% of respondents
- Not sure: 2% of respondents

Source: Klain, in prep, Public Opinion and Offshore Wind in Coastal New England States
Block Island

Cape Wind

The Economist, August 19, 2010
Gulf
General Public Support
Site Specific Opposition
Goals

• Learn from past community engagement experiences
  – How was it conducted?
  – What went well?
  – What were major challenges?

• Improve quality of interactions during decision process
  – Communities
  – Developers
  – Government Agencies
Methods

• Literature Review
  – Decision science
  – Community benefits
  – Wind farm siting
• Case Study Comparison: 3 Islands
  – Document analysis
  – Informal interviews
Case Studies

Wind Data Source: National Renewable Energy Lab (NREL)
Results

• Make mutual learning accessible
• Provide community benefits
Lesson 1: Make mutual learning accessible

- Readily Available and Appropriate Information
- Deliberative Learning
- Mindful of the Messenger
- Bridging Organizations
- Timing of engagement
  > 1 year of engagement before specific sites are selected
Lesson 2: Provide community benefits

• Confront distribution issues
  – Global benefits
  – Local costs

• Avoid perception of community benefit as bribe

• Goal: “means of creating greater equity” (Aitken, 2010)

• Work best when custom tailored
  – Denmark & Germany: Cooperative models
  – UK: developers pay into fund for community organizations
Adapted from Rudolph et al. 2015
Offshore Wind Farm Pioneers, Block Island

• **Timing & Deliberative Learning**
  – RI Ocean Special Area Management Plan (SAMP) before wind farm proposed

• **Bridging liaisons**
  – New Shoreham selected and hired consultants to represent their interests
  – Deepwater reimbursed town for this expense
Offshore Wind Farm Pioneers, Block Island

• **Community benefits**
  – Fiber-optic cable bundled with electrical cable
  – Anticipated electricity
    • Cost reduction
    • Price stabilization
Cooperative Approach on Martha’s Vineyard

• Timing
  – Martha’s Vineyard’s Island Plan (2009)
  – Led to renewable energy cooperative

• Readily Available & Appropriate Information
  – Interactive offshore wind map viewer
Cooperative Approach on Martha’s Vineyard

• Community Benefits
  – Vineyard Power
    • Community owned renewable energy cooperative
  – Creation of Community Benefit Agreement with developer
    \[\Rightarrow\] BOEM gave developer discounted bid price during auction
Confronting Deep Water Challenges on Monhegan Island, Maine

- **Timing & deliberative learning**
  - Public meetings
  - "Kitchen table" discussions
  - Offshore Wind Energy Information Exchange
  - Mapping Working Waters
- **Challenges**
  - UMaine limited time to inform islanders about change in project scope
    - Small scale portable to
    - Large scale stationary
Confronting Deep Water Challenges on Monhegan Island, Maine

• Lack of clarity on community benefits

• UMaine got $3.7 mill grant
  – Still in competition for $47 mill grant

• More time to learn from experiences of others
Take Home

• Make mutual learning accessible
  – Defensible
  – Salient
  – Legitimate
• Community benefits
  – Tailored to community needs

Case Study Perspectives

Block Island, RI

• Kim Gaffett
  – former Town Council member
• Bill Penn
  – Block Island Residents Association
  – Block Island Utility Task Group
• Bryan Wilson
  – Deepwater Wind
Case Study Perspectives

Martha’s Vineyard, MA

- Richard Andre
  - Vineyard Power

- Erik Peckar
  - Vineyard Power
Case Study Perspectives

Monhegan, ME

• Marian Chioffi
  – Monhegan Energy Task Force
  – Monhegan Plantation Power District

• Jake Ward
  – University of Maine
Audience Q&A

Please enter your question into the text box.
Thank You

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• Request hard copies: bwinner@islandinstitute.org