

An aerial photograph of a long, straight line of offshore wind turbines stretching across a vast blue ocean under a clear sky. The turbines are white with three blades each, and their towers are visible in the water. The perspective is from a low angle, looking down the line of turbines towards the horizon.

FEDERAL AND STATE REGULATORY FRAMEWORK

OCEAN ENERGY TASK FORCE

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Exec Order Mandate

- The Exec Order mandate to OETF:
 - How to meet OW goal ≥ 300 MW by 2020?
 - Promote “vigorous, expeditious” dev
 - Evaluate ocean test area (R&D initiative; facilitate siting)
 - Economic Development support for OSW
 - Public-private partnerships (financing, siting, operation)
 - How to achieve Tidal/Wave Power goals?
 - Compile info on potential locations/dev constraints
 - Identify how Maine can support R&D

Regulatory Framework

- Regulatory framework needed to support this vision?
 - Existing framework - gaps, overlaps?
 - Future framework - new laws, rules,
 - Partnerships (fed/state; public/private)
- Leverage “Innovation Culture”?



Roadmap - Models

- International
 - UK MRE roadmap, German OW plan
- National –
 - Leverage national plans/expertise
 - Foster collaboration: private, NGOs, academia
 - Tap national R&D funding
 - Marine and Hydrokinetic Renewable Energy Research and Development Act 2007 (\$50M/yr DOE R&D)
 - National Marine Renewable Energy Research, Development, and Demonstration Centers



State Models

- Other States

- MA: Comprehensive Planning and Regulatory Framework effort

- 2008 Green Communities Act, Green Jobs Act, Oceans Act - comp plan for State waters 2009

- DEL: Legislative mandate

- utilities competitive bid/contract for renewable power; PUC review

- NJ: Energy Strategy; Implementation



Lead Agency is Key

■ Planning Stages

- WI – Wind on Water panel – PUC, with DNR
- OETF needs technical support of PUC, Tax

■ Implementation Stages

- MA: Sec. Energy & Environmental Affairs- ocean energy plan; MTC Renewable Energy Trust
- VA – Coastal Energy Research Consortium
- NJ – Energy Plan - PUC Chaired 9 agencies; new Energy Council with stakeholder advisors



Two Phase Approach

- Phase 1
 - Incremental Approach
 - Windpower Task Force Approach –
 - Consider Catalyst Approach to expedite development
 - Phase 1 Pilot Project in State waters for R&D
 - Phase 1 Pilot Projects – Competitive bids
 - PUC RFP on state-owned site; performance grant
 - Include some pre-development financing



Two Phase Approach

- Phase 2 Build Hospitable Environment
 - Clear roadmap for development
 - Regulatory Permitting
 - Economic Development Incentives
 - Leverage Culture of Innovation
 - Maine Technology Institute (PPP)



Conclusions

- New challenges
 - State steward; many technical unknowns
- Roadmap with concrete detail through 2020
- Regulatory framework adjustments
 - Environmental, state lands, econ development and tax
 - MOU with Feds re near and offshore development
 - Collaborative partnerships essential
- Need lead agency, with agency assistance
 - Public education, outreach
 - Measure to Manage; 2020 horizon