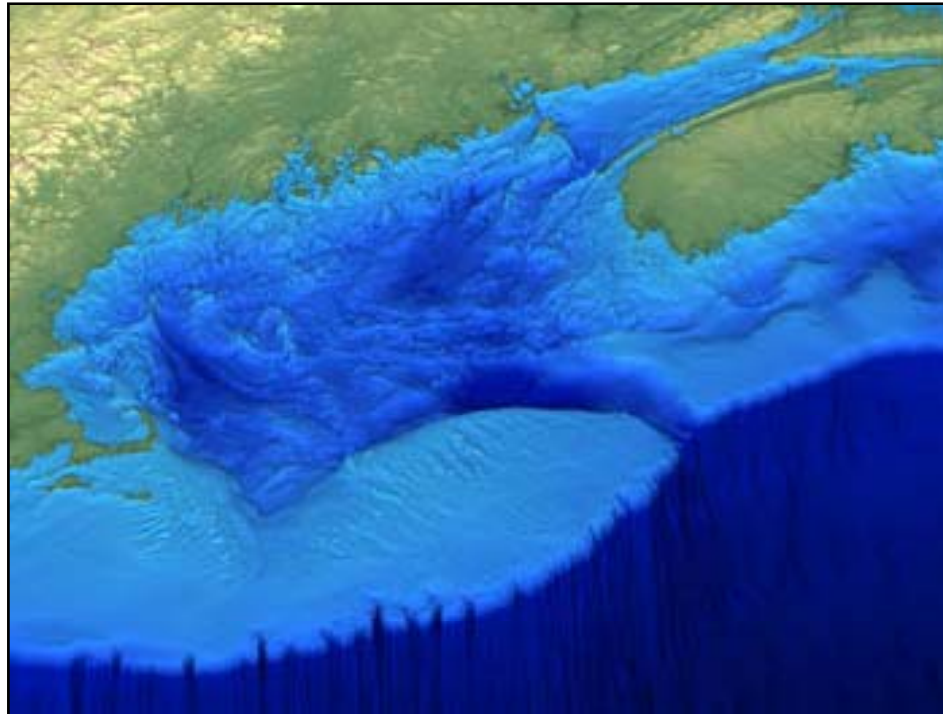




*Emission-Free Electricity from the Boundless Energy
of the World's Rivers and Seas*

NEW ENGLAND UPDATE



Presented to:
Bay of Fundy Tidal Energy Forum:
Working Together for Sustainable
Success
May 13, 2009



Presented by:
John Ferland
Director – Project Development
ORPC Maine LLC
www.oceanrenewablepower.com



ORPC Overview

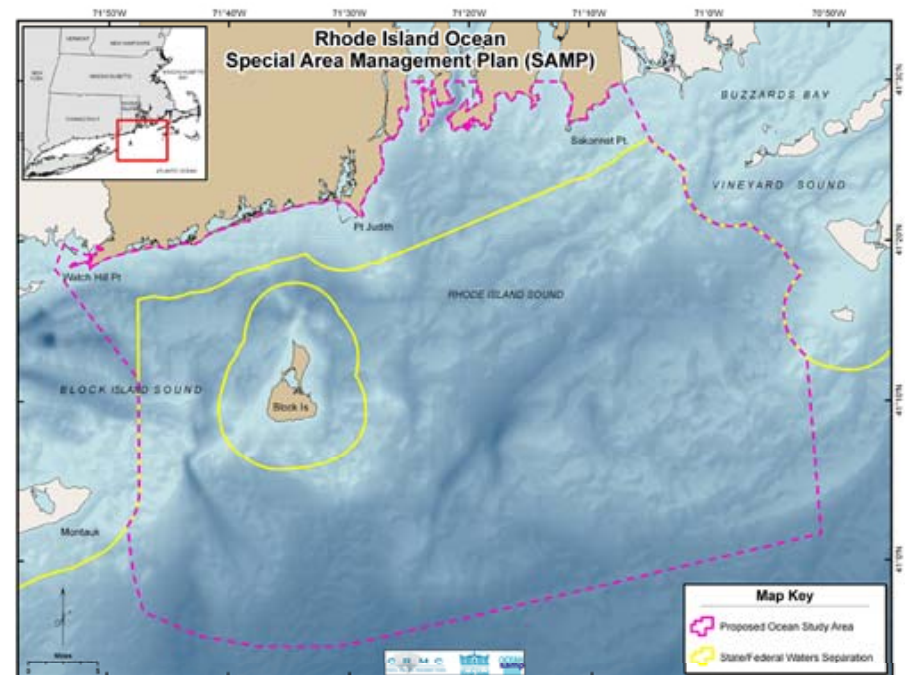
- First ocean energy company operating in Maine.
- Proprietary ocean current generation (OCGen™) technology.
- Successful demonstration of the technical feasibility of the core component of OCGen™ technology, the Turbine-Generator Unit (TGU), in April 2008
- Project sites *in three* of the world's most promising tidal energy resources (Western Passage and Cobscook Bay, ME and Cook Inlet, AK).
- In-water testing at entrance to Bay of Fundy has resulted in first-to-market opportunity in the region for emission-free generation of electricity.
- Experienced, dedicated management team - highly qualified professionals with proven track records in power project development and startup companies.
- Committed to working with local communities, regulatory agencies, fisherman, environmental groups and other stakeholders on a collaborative basis.

POLICY DEVELOPMENT

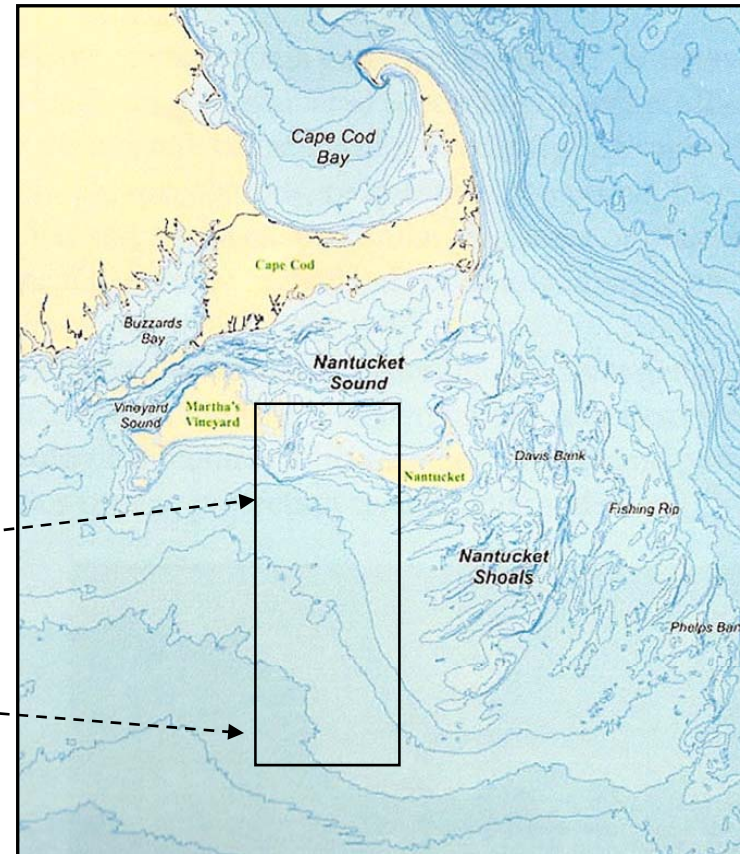
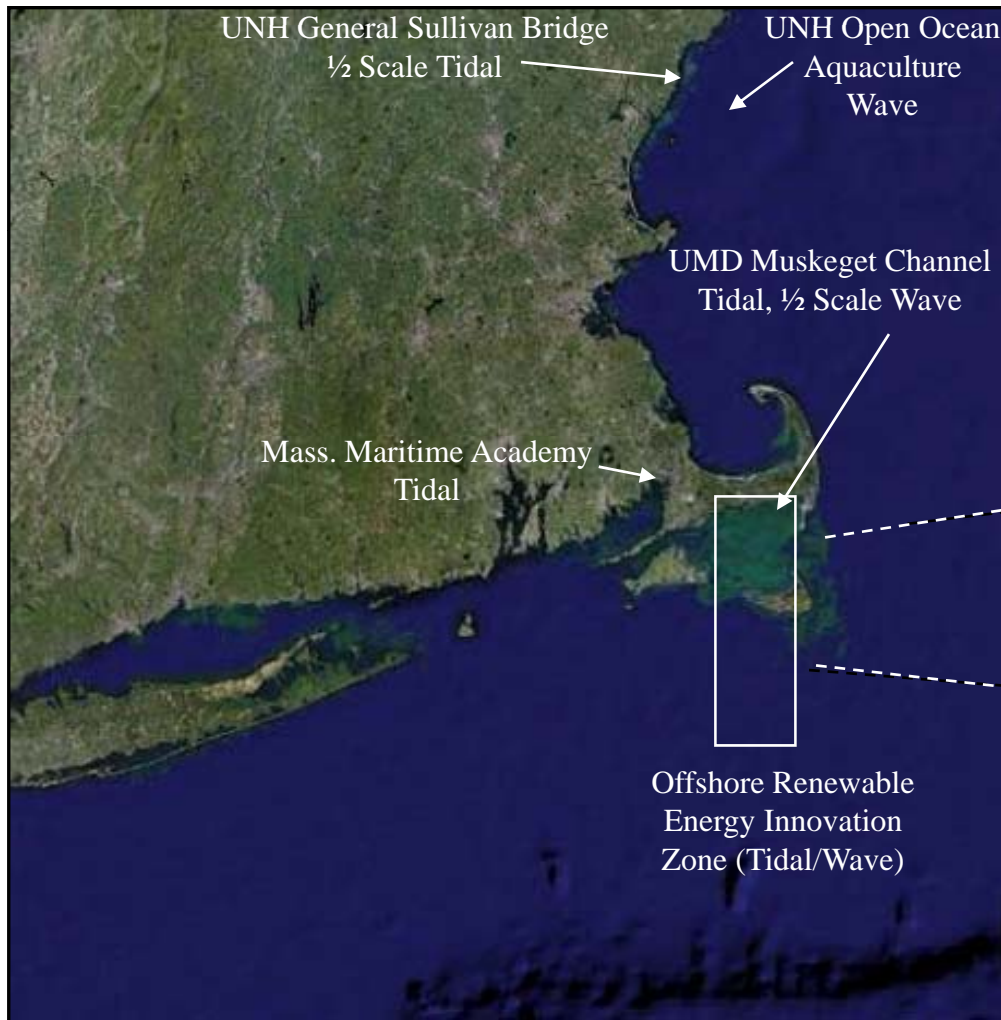
- Massachusetts: Oceans Act of 2008 (integrated ocean management plan)
- Rhode Island: RI Ocean Special Area Management Plan (SAMP)
- Maine: Governor's Ocean Energy Task Force

FUNDING

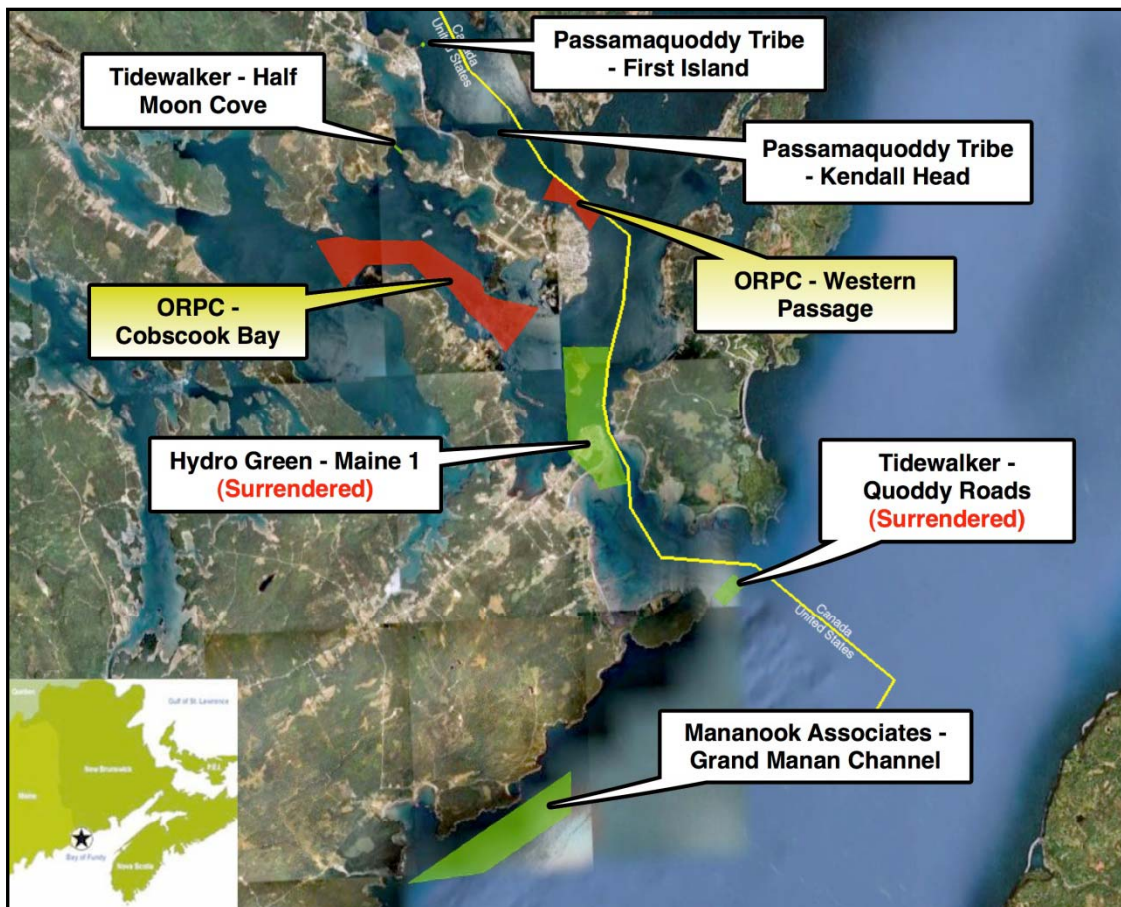
- Massachusetts: UMass-Dartmouth: \$1 Million federal appropriation to help support the Marine Renewable Energy Center
- Maine: Maine Tidal Power Initiative: \$951K federal appropriation for partnership of University of Maine, ORPC Maine and Maine Maritime Academy



Potential Southern New England Demonstration Sites



U.S. Bay of Fundy Preliminary Permit Sites

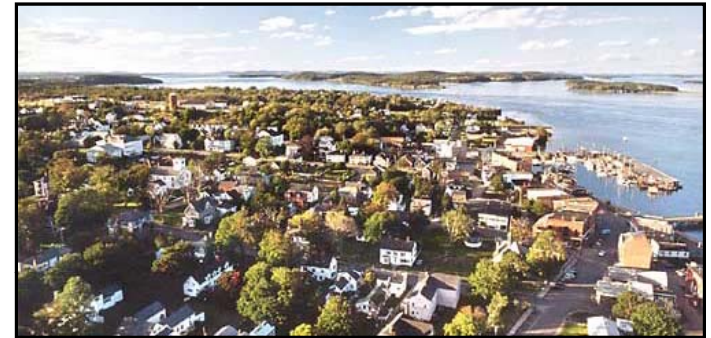
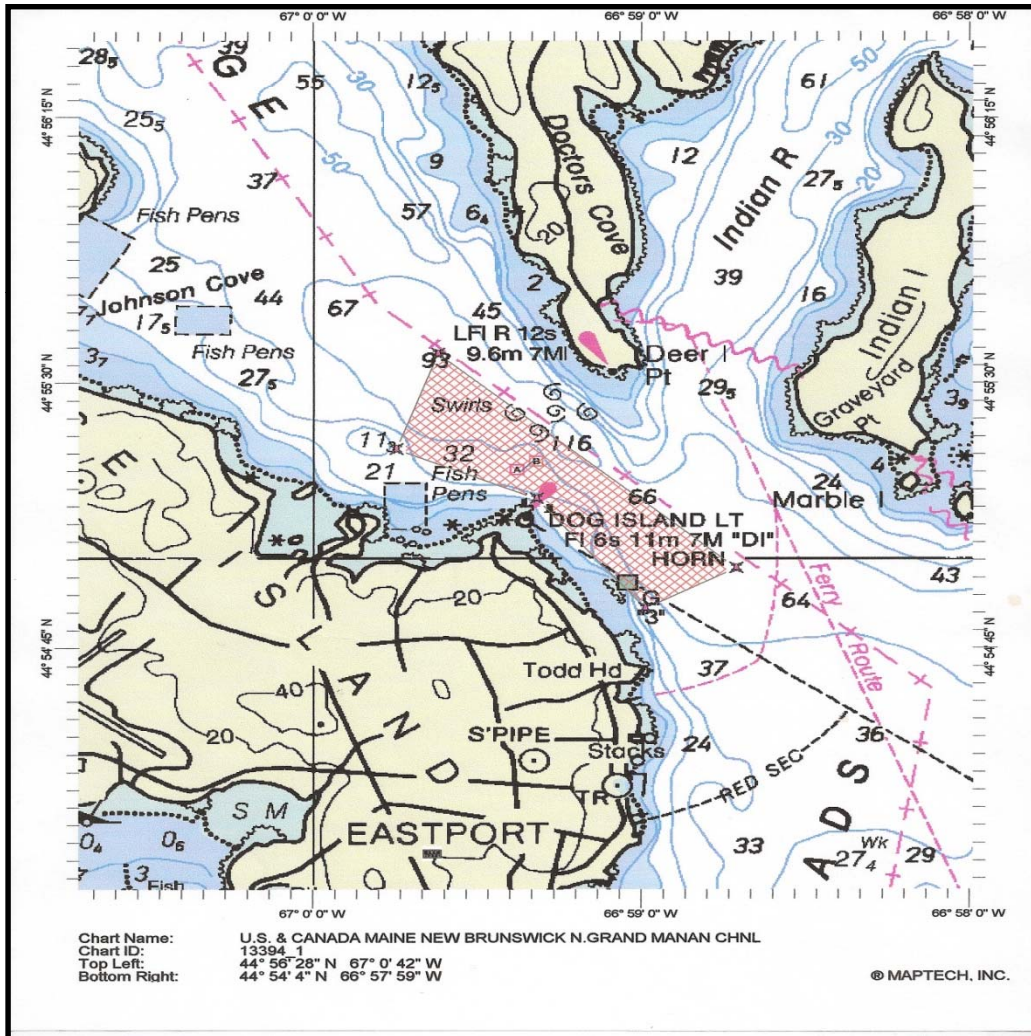


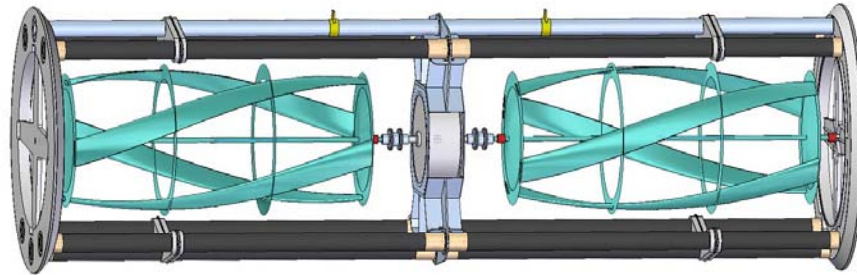
FERC Preliminary Permits 5/1/09

Maine – 11

MA – 4

RI – 1

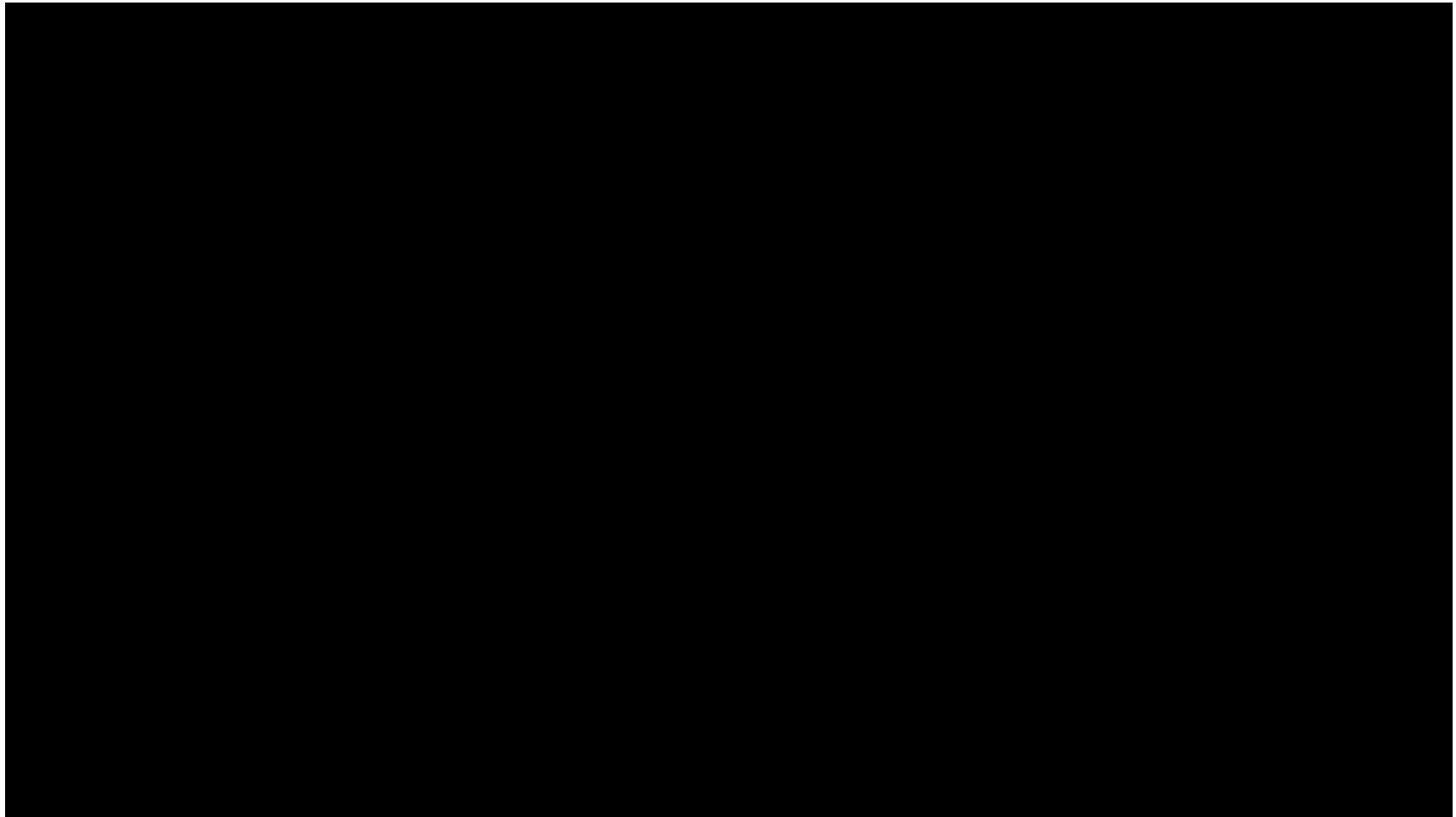


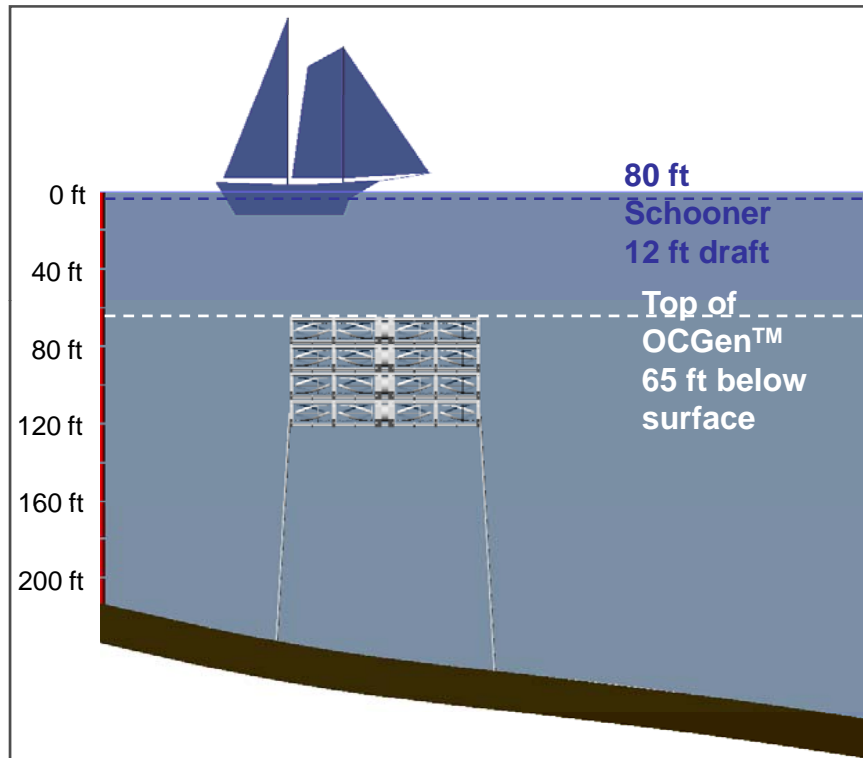


- Completed Prototype Turbine Generator Unit (TGU) Testing In April 2008
- Continued testing of hydro foil design advancements thru December 2008
- Completed Design and Engineering for commercial TGU in March 2009
- In the process of ordering all long lead equipment and material items
- Beta Pre-Commercial TGU testing September thru December 2009
- Target 1 MW OCGen™ Module deployment in Maine in summer 2010 under Western Passage/Cobscook Bay Pilot Project



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Harris Point
Eastport, Maine,
USA

USA -
Canada
Border

Deer Island
New Brunswick,
Canada

1
mile



ORPC Partners



The Maine Tidal Energy Industry
Significant tidal energy resources and
an emerging “cleantech” renewable energy industry
right here in Maine!



Maine Tidal Energy Cluster

- Ocean Renewable Power Company/ORPC Maine - OCGen™ technology & projects
- Eastport Port Authority – Vessel and marine personnel services
- City of Eastport/Maine Marine Technology Center – fabrication facilities
- Multiple Washington County contractors – Industrial fabricators, electricians
- The Boat School – Husson – composites workforce training
- University of Maine Orono – Technology R&D, engineering & environmental studies
- Maine Maritime Academy – Technology R&D & engineering/operations oversight
- US Windblade – ADCF turbine design & manufacturing (composite materials)
- Harbor Technologies – TGU frame design & manufacturing (composite materials)
- HDR/DTA – FERC licensing & environmental permits
- Pierce Atwood – legal counsel

www.oceanrenewablepower.com

Successful Ocean Energy Development Requires The Involvement of All Stakeholders – The ORPC Perspective

- Recognize Eastport is a marine city with history
- Be open, transparent and honest – no secrets
- Articulate a vision for the future
- Involve local companies, people, ideas, services, suppliers, NGOs, partnerships, etc.
- Engage all stakeholders early – local & state officials, citizens, fishermen, pilots, etc.
- Listen, listen, listen...and learn
- If you make a mistake, admit it

Work hard at it and enjoy it

(If you don't enjoy it, you shouldn't be doing it!)

Build relationships based on mutual trust and respect





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Thank You!!

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