

OREG Fall Symposium 2006
Enabling Wave and Tidal Energy:
Technical Challenges and Technology Transfer Opportunities

University Hall, Dalhousie University
Halifax, Nova Scotia

In partnership with:



and



PLATINUM SPONSORS



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS



Delegate welcome – OREG Symposium Fall 2006

With each event, new people are being introduced to the movement to advance ocean energy as a Canadian opportunity. An opportunity to draw in an emerging renewable energy resource, and an opportunity for Canada's marine, power and energy project sectors.

From last Fall's event, OREG created the basis for a sector roadmap, used in discussions with the coastal provinces and federal agencies. The *World of Ocean Energy* context of the Victoria spring event placed Canada among world leaders, despite inactivity for much of the last 20 years.

This event is intended to expose the emerging ocean energy opportunity to the supply and service industry working with offshore oil and gas. It is also recognition of the emerging common Pacific and Atlantic interests, heightened by Nova Scotia and New Brunswick work with EPRI. This Halifax event is also significant in that it brings a greater level of involvement from the electricity industry.

This meeting is about sharing ideas, challenges and potential solutions – “...*in this room we have the solutions...*” was the challenge laid down by Torre Gulli in Victoria. OREG's 60 members and guests participating in this symposium are challenged to bring those power production solutions forward. We hope the exchanges and linkages emerging in the next two days bring us all closer to that goal.

However, we are already looking to 2007. In Spring 2007 we will be in Calgary to introduce renewable ocean energy to the traditional energy sector. Next Fall, we hope to engage Environmental Non-Government Organisations in an international event focused on the Sustainability of Ocean Energy.

Back to the next couple of days; we have seen incredible exchanges and opportunity identification in our past events. We hope we have allowed good discussion time in the programme and in long lunch breaks. We are perfecting our *schmooze* evening with lots of good food, company and a few bar tickets....and of course no chairs. Ability to hold a glass and a plate of food while shaking hands and exchanging business cards is critical to survival in this sector!

Welcome aboard and good luck.

November 30th, 2006

Opening Remarks: The Opportunity

- 9:00 **Andrew Henry**, Energy at Dalhousie
 Michael Tarbotton, OREG Director
- 9:15 **Gouri Bhuyan**, Principal Advisor, Alternative Energy, Powertech Labs
 IEA OES: The Strategy for the Next Five Years

Morning Session: International Experience

- 9:30 **Michael Hay**, British Wind Energy Association

10:00 **Alla Weinstein**, European Marine Energy Association, and the Marine Energy Challenge

10:30 COFFEE BREAK

11:00 Technology Company Panel
Des McGinnes, Ocean Power Delivery
Nigel Protter, SyncWave Energy

12:00 - 13:30 LUNCH

13:30 – 13:40 GUEST SPEAKER: Deputy Minister Alison Scott, Nova Scotia Department of Energy

Afternoon Session One: Technology Panel Cont.

13:40 **Alla Weinstein**, AquaEnergy
Clayton Bear, New Energy

Afternoon Session Two: Site Requirements

14:40 **Michael Tarbotton**, Triton Consultants – resource analysis

15:10 **David Lemon**, ASL – assessing site potential through measurement and modeling

15:40 COFFEE BREAK

16:10 **Simon Melrose**, Oceans Ltd. – wave forecasting

16:30 Discussion

17:00 - 19:00 Conference Delegate Reception at Symposium Venue, University Hall

**Energy at Dalhousie Public Lecture and Evening Reception
Scotiabank Auditorium, McCain Arts and Social Sciences Building**

19:00 – 21:30 The World of Ocean Energy: An emerging energy opportunity?

Speakers:

Gouri Bhuyan, Chair IEA Ocean Energy Implementing Agreement;
Alla Weinstein, Chair EU Ocean Energy Association; **Michael Hay**,
British Wind Energy Association; **Jessica Johnson**, OREG

December 1, 2006

Morning Sessions: Technology Challenges and Solutions

Roundtable Facilitated by Chris Campbell, Executive Director OREG

- 9:00 **Paul McEachern**, OTANS – the potential support industry
- 9:30 Connecting Company Experience: Review of company progress and experiences – delegate participation

10:30 COFFEE BREAK

Morning Session Two: Connecting Academia to Industry

- 11:00 **Scott Couch**, Supergen Marine – the UK network example
- 11:20 **Nigel Protter**, SyncWave – The SyncWave/University of Victoria project
- 11:40 **Bill Rawlings, UBC** – The Blue Energy/UBC project
- 12:00 **Andrew Henry**, EnergyINet/Energy at Dalhousie - Canadian Network for Ocean Energy Innovation

12:20 – 12:30 GUEST SPEAKER: Honourable Jack Keir, New Brunswick Minister of Energy

12:30 – 13:30 LUNCH

Afternoon Session: Perspectives from the Power Industry

- 13:30 **James Taylor**, Nova Scotia Power Inc. - renewables and future tidal possibilities
- 13:50 **John Evans**, Fortis - small utility project lessons
- 14:10 **George Porter**, NBSO - using regional energy resources to integrate renewables
- 14:30 **Scott Travers**, Minas Basin Pulp and Power – IPP perspective
- 15:00 COFFEE BREAK**
- 15:30 Discussion**

CLOSING REMARKS

- 16:00 **Ralph Tedesco**, Nova Scotia Power Inc.
-