



Information Sharing Meeting - Environmental Research and Monitoring Studies related to Tidal Energy Development in the Bay of Fundy

Ron Trites Board Room, Bedford Institute of Oceanography, Dartmouth, Nova Scotia

Friday January 29, 2010- 8:30 am –1:00 pm

Facilitator: Ted Currie

8:30 – 8:45 am

- 1. Introduction/Objective– John Woods, FORCE; Wayne St-Amour, OEER/OETR; and Anna Redden, EMAC.**

8:45 - 10:15 am

- 2. OEER Project Leads - Overview of Research Projects**

Ten minute presentations

- a) Dr. Richard Karsten (Acadia University)- *Assessment of the Potential of Tidal Power from Minas Passage and Minas Basin*
- b) Dr. James D. Warner (Martec Consulting Limited)- *Near-Field Effects of Tidal Power Extraction On Extreme Events and Coastline Integrity in the Bay of Fundy*
- c) Dr. Jinyu Sheng (Dalhousie University)- *Assessing the Far Field Effects of Tidal Power Extraction on the Bay of Fundy, Gulf of Maine and Scotian Shelf*
- d) Dr. Danika van Proosdij (Saint Mary's University)- *Effects of Energy Extraction on Sediments Dynamics in Inter-tidal Ecosystems of the Minas Basin*
- e) Dr. Peter C. Smith (Fisheries and Oceans Canada)- *Impacts of tidal energy extraction on sediment dynamics in Minas Basin, Bay of Fundy, NS*

- f) Dr. Michael J.W. Stokesbury (Acadia University) - *3-D Acoustic Tracking of Fish, Sediment-Laden Ice and Large Wood Debris in the Minas Passage of the Bay of Fundy*
- g) Norman Cochrane (Fisheries and Oceans Canada)- *Proposal to investigate the vertical distribution, movement, and abundance of fish in the vicinity of proposed tidal power energy conversion devices*
- h) Andrew Cornett (NRC Canadian Hydraulics Centre)- *Assessment of Hydrodynamic Impacts Throughout the Bay of Fundy and Gulf of Main Due to Tidal Energy Extraction by Tidal Lagoons*

10:15 – 10:30 **Health Break**

10:30 – 11:00 am

3. Q and A Session

11:00 – 12:00pm

4. FORCE (MBP&P Team/ NSPI) – Overview of Studies

Ten minute presentations

- a. Gordon Fader (AMGC) - *Device Siting and Research Needs*
- b. Simon Melrose (Oceans Ltd) - *Currents, Tides and Acoustics*
- c. Patrick Stewart, (Envirosphere) - *Marine Benthos & Sediments*
- d. Norval Collins (CEF) - *Lobster Effects Monitoring – Year 1 Baseline*
- e. Ken Meade (NSPI) - *EEM Challenges at Turbine Sites*

12:00 -1:00 pm

5. Lunch -Open Discussion- Data gaps, data management and sharing information

1:00 pm

6. Closing – Next Steps and Future Meetings - Jennifer Matthews

- a. R & D Forum- May 26 and 27, 2010
- b. Proposed Tidal Energy Research Workshop– October/November 2010