

DAY 1 – May 16, 2012

7:30 - 8:30 **REGISTRATION AND CONTINENTAL BREAKFAST**

Facilitator: *Barbara Pike, The Maritimes Energy Association*

8:30 - 8:45	Welcome and Introduction		<i>Murray Coolican, Deputy Minister, Nova Scotia Department of Energy</i>
8:45 - 9:05	PLENARY SESSION	The Importance of Research and Development to Nova Scotia's Energy Future	<i>The Honourable Darrell Dexter, Premier of Nova Scotia</i>
9:05 - 9:25	KEYNOTE SPEAKER	The Role of Geoscience R&D in Developing Integrative Technologies and Conceptual Models for Deepwater Exploration and Production	<i>Brad Prather, Shell</i>
9:25 - 9:45	KEYNOTE SPEAKER	Transformation of the Nova Scotia Electricity Sector	<i>Robin McAdam, Nova Scotia Power</i>
9:45 - 10:05	PLENARY SESSION	Evolution of Energy Research & Development in Nova Scotia	<i>Bruce Cameron, Nova Scotia Department of Energy</i>

10:05 - 10:30 **BREAK**

10:00 - 7:00

10:30 - 11:00	PLENARY SESSION	Nova Scotia Energy Research – It Doesn't Cost, It Pays!	<i>Stephen Dempsey, Offshore Energy Research Association</i>
11:00 - 11:30	PLENARY SESSION	Turbines are Not Enough: The Multiple Roles of Demonstration Facilities	<i>Doug Keefe, Fundy Ocean Research Center for Energy</i>
11:30 - 12:00	PLENARY SESSION	Q&A	

12:00 - 1:00 **LUNCH**

SESSION 1: MARINE ENERGY AND THE ENVIRONMENT

Facilitator: *Carey Ryan, Thackeray Consulting*

1:00 - 1:20	Overview of Tidal Energy Research in the Bay of Fundy; <i>Stephen Dempsey, OEER Association</i>
1:20 - 1:40	Tidal Energy Resource Assessment in the Bay of Fundy: Community and Commercial Projects; <i>Richard Karsten, Acadia University</i>
1:40 - 2:00	Evaluating the Environmental Effects of Tidal Energy Conversion; <i>Graham Daborn, Acadia University</i>
2:00 - 2:20	Southwest Nova Scotia Tidal Energy Resource Assessment; <i>Greg Trowse, Fundy Tidal Inc.</i>
2:20 - 2:40	Mi'kmaq Ecological Knowledge Study; <i>Jason Googoo, Membertou Geomatics Consultants</i>
2:40 - 3:00	Marine Community & Energy Development; <i>Dana Morin, Fundy Tidal Inc.</i>

3:00 - 3:20 **BREAK**

3:20 - 3:40	Research Needs to Support an Efficient Regulatory Framework for Ocean Renewable Energy; <i>Ted Currie, Fisheries and Oceans Canada</i>
3:40 - 4:00	FORCE Research Update; <i>Jennifer Matthews, FORCE</i>
4:00 - 4:20	UK Tidal Program Status Update; <i>Stuart Baird, European Marine Energy Centre</i>
4:20 - 4:40	Lessons Learned: Ocean Tidal Equipment Deployment in High Flow Environments; <i>Simon Melrose, Oceans Limited</i>
4:40 - 5:00	Session Q&A

5:00 - 7:00 **RECEPTION AND RESEARCH POSTER PRESENTATIONS**

SESSION 2: NOVA SCOTIA OFFSHORE OIL & GAS

Facilitator: *Sandy MacMullin, Nova Scotia Department of Energy*

1:00 - 1:30	Play Fairway Analysis (PFA) Program: The Results, the Atlas, the Derisking of the Offshore & the Evergreening of the PFA; <i>Sandy MacMullin, Nova Scotia Department of Energy</i>
1:30 - 1:45	A Special Journal Publication of PFA Scientific Results; <i>Sonya Dehler, Geological Survey of Canada (Atlantic)</i>
1:45 - 2:05	Late Jurassic Carbonate Play Fairway Analysis; <i>Stefan Doublet, Beicip-Franlab</i>
2:05 - 2:30	Deep Penobscot, An Analogue to Deep Panuke – Are There More Jurassic Reefs Lurking Offshore Nova Scotia? <i>Robert Merrill, Ammonite Nova Scotia Corporation</i>
2:30 - 2:50	Prospectivity of the Central Scotian Slope and the Abenaki and Sable Subbasins; <i>Kris Kendell, CNSOPB</i>
2:50 - 3:10	Structural Setting and Potential Prospectivity of the NS11-1 Call for Bids Parcels; <i>Mark Deptuck, CNSOPB</i>
3:10 - 3:40	Session Q&A

3:40 - 3:50 **BREAK**

3:50 - 5:00	Encana Panel on Deep Panuke Research & Development Projects (Engineering, Offshore Safety & Risk, Produced Water, and others); <i>Lori MacLean, Encana; Mark Fleming, Saint Mary's University; John Kozey, Dalhousie University; Graham Gagnon, Dalhousie University; Edwin DeMont, Saint Francis Xavier University</i>
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5:00 - 7:00 **RECEPTION AND RESEARCH POSTER PRESENTATIONS**

NovaSPAN Data Room

Menno G. Dinkelman, ION GeoVentures

1:00 - 7:00

Open questions and discussion on ION's NovaSPAN regional 2D seismic framework spanning the continental slope of Nova Scotia.

SESSION 3: RENEWABLE AND SUSTAINABLE ENERGY

Facilitator: *Ross McCurdy, Cape Breton University*

1:00 - 1:20	Nova Scotia's Cleaner Energy Framework; <i>Sandra Farwell, Nova Scotia Department of Energy</i>
1:20 - 1:40	Maximizing the Potential for University-Industry Energy Research Collaborations in Atlantic Canada; <i>Richard Isnor, NSERC</i>
1:40 - 2:00	Venture Capital and the Clean Energy Revolution; <i>Thomas Rankin, Innovacorp</i>
2:00 - 2:20	Solar City – Innovative Financing Tools in Action; <i>Julian Boyle, HRM</i>
2:20 - 2:40	PowerShift Atlantic – Aggregated Load Control Based on Smart Grid; <i>Liuchen Chang, University of New Brunswick</i>
2:40 - 3:00	Current Status and Future Trends of Solar Cell Technologies; <i>Rafael Kleiman, McMaster University</i>

3:00 - 3:20 **BREAK**

3:20 - 3:40	Prometheus Solar Project; <i>Peter Kinley, Lunenburg Foundry & Engineering Limited</i>
3:40 - 4:00	Energy Recovery from PRV Stations in Water Distribution Networks; <i>Mysore Satish, Dalhousie University</i>
4:00 - 4:20	Agricultural Biomass, Markets, Fuels and Applications; <i>Kenny Corscadden, Nova Scotia Agricultural College</i>
4:20 - 4:40	Canadian Bioeconomy Development: The Need for a National Policy Framework; <i>Murray McLaughlin, Bioindustrial Innovation</i>
4:40 - 5:00	Session Q&A

5:00 - 7:00 **RECEPTION AND RESEARCH POSTER PRESENTATIONS**

MULTIDISCIPLINARY RESEARCH POSTER PRESENTATIONS

DAY 2 – May 17, 2012

7:30 - 8:30 **REGISTRATION AND CONTINENTAL BREAKFAST**

SESSION 1: MARINE ENERGY AND THE ENVIRONMENT

8:30 - 9:00	International Network on Offshore Renewable Energy; <i>Alana Duerr, Florida Atlantic University</i>
9:00 - 10:10	International Panel Discussion on Growth & Priorities in Marine Tidal Energy; <i>Scott Couch, University of Edinburgh; Cameron Johnstone, University of Strathclyde; AbuBakr Bahaj, University of Southampton; Josh Leon, Dalhousie University; Anna Redden, Acadia University; Rick Driscoll, National Renewable Energy Lab; Bruce Cameron, Nova Scotia Department of Energy; Alex Alliston, Tidal Generation Ltd.; Doug Keefe, FORCE; Dana Morin, Fundy Tidal Inc.; James Taylor, Quadrule Services Inc.; Richard Karsten, Acadia University; Michael Reed, US Department of Energy; Others TBA</i>

10:10 - 10:30 **BREAK**

10:30 - 11:30	International Panel Discussion on Growth & Priorities in Marine Tidal Energy (continued)
11:30 - 12:00	Session Q&A

12:00 - 2:00 **LUNCH: WRAP UP AND GO FORWARD**

SESSION 2: NOVA SCOTIA ONSHORE OIL & GAS

8:30 - 8:50	Onshore Atlas, Nova Scotia; <i>Helen Cen, NS Department of Energy</i>
8:50 - 9:10	Implications of Pangean Tectonics for Onshore Hydrocarbon Exploration in Nova Scotia; <i>Fraser Keppie, Nova Scotia Department of Natural Resources</i>
9:10 - 9:30	TBA
9:30 - 9:50	East Coast Energy Inc. Coal Bed Methane Project in the Pictou Coalfield of Nova Scotia; <i>Arden Thompson, East Coast Energy Inc.</i>
9:50 - 10:10	Session Q&A

10:10 - 10:30 **BREAK**

10:30 - 10:50	Improving the Accessibility of the Province's Onshore Subsurface Database: A User-driven Approach; <i>Evan Bianco, Agile Geoscience</i>
10:50 - 11:10	Conventional Hydrocarbon Exploration in the Shubenacadie Sub-Basin; <i>Ian Shook, Forent Energy</i>
11:10 - 11:30	Update on St. Brendan's Exploration Blocks; <i>Darcy Spady, St. Brendan's Exploration Ltd.</i>
11:30 - 12:00	Session Q&A

12:00 - 2:00 **LUNCH: WRAP UP AND GO FORWARD**

NovaSPAN Data Room

Menno G. Dinkelman, ION GeoVentures

8:30 - 12:00

Open questions and discussion on ION's NovaSPAN regional 2D seismic framework spanning the continental slope of Nova Scotia.

SESSION 3: RENEWABLE AND SUSTAINABLE ENERGY

8:30 - 8:50	Thermal Energy Storage in Adsorbent Beds for Solar or Waste Heat; <i>Handan Tezel, University of Ottawa</i>
8:50 - 9:10	TBA
9:10 - 9:30	Thermal and Electrical Energy Storage for Renewable Energy Integration; <i>Dominic Groulx, Dalhousie University</i>
9:30 - 9:50	Application of Photosynthetic Microalgae to Wastewater Remediation for Biomass and Biofuel Production; <i>Patrick McGinn, National Research Council of Canada</i>
9:50 - 10:10	Session Q&A

10:10 - 10:30 **BREAK**

10:30 - 10:50	Advances in Lithium Ion Batteries; <i>Jeffery Dahn, Dalhousie University</i>
10:50 - 11:10	Smart Net-Zero Energy Buildings Research; <i>Lukas Swan, Dalhousie University</i>
11:10 - 11:30	Powering the World; <i>Danielle Fong, LightSail Energy</i>
11:30 - 12:00	Session Q&A

12:00 - 2:00 **LUNCH: WRAP UP AND GO FORWARD**

MULTIDISCIPLINARY RESEARCH POSTER PRESENTATIONS