

# DAY 1 – May 16, 2012

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

8:30 - 8:45	Welcome and Introduction		Speaker TBA
8:45 - 9:05	PLENARY SESSION	Importance of Research & Development in Meeting Nova Scotia's Energy Future	The Honourable Darrell Dexter, Premier of Nova Scotia
9:05 - 9:25	PLENARY SESSION	Evolution of Energy Research & Development in Nova Scotia	Bruce Cameron, Nova Scotia Department of Energy
9:25 - 9:45	KEYNOTE SPEAKER	Future of Nova Scotia's Offshore Energy Sector	Speaker TBA
9:45 - 10:05	KEYNOTE SPEAKER	Future of Nova Scotia's Electricity Energy Sector	Speaker TBA

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

10:30 - 7:00

10:30 - 11:00	PLENARY SESSION	Nova Scotia Energy Research: Costs and Pay-offs	Stephen Dempsey, Offshore Energy Research Association
11:00 - 11:30	PLENARY SESSION	Bay of Fundy Tidal Project	Douglas Keefe, Fundy Ocean Research Center for Energy
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; Stephen Dempsey, OEER Association
1:20 - 1:40	Tidal Energy Resource Assessment in the Bay of Fundy: Community and Commercial Projects; Richard Karsten, Acadia University
1:40 - 2:00	Advancing Tidal Energy: Defining Environmental Effects & Standards; Graham Daborn, Acadia University
2:00 - 2:20	Southwest Nova Scotia Resource Assessment; Alex Hay, Dalhousie University
2:20 - 2:40	Mi'kmaq Ecological Knowledge Study; Jason Googoo, Membertou Geomatics Consultants
2:40 - 3:00	Small Scale Development; Dana Morin, Fundy Tidal Inc.

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

3:20 - 3:40	Strategic Environmental Assessment; Speaker TBA
3:40 - 4:00	FORCE Activities in the Minas Passage; Speaker TBA
4:00 - 4:20	UK Tidal Program Status Update; Stuart Baird, EMEC
4:20 - 4:40	Lessons Learned: Ocean Tidal Equipment Deployment in High Flow Environments; Simon Melrose, Oceans Limited
4:40 - 5:00	Session Q&A

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

## SESSION 2: NOVA SCOTIA OFFSHORE AND ONSHORE OIL & GAS

Facilitator: TBA

1:00 - 1:30	Play Fairway Analysis (PFA) Program: The Results, the Atlas, the Derisking of the Offshore & the Evergreening of the PFA; Sandy MacMullin, Nova Scotia Department of Energy
1:30 - 1:45	PFA: Special Journal; Sonya Dehler, Geological Survey of Canada (Atlantic)
1:45 - 2:05	PFA: Carbonate Bank Project; Stefan Doublet, Beicip-Franlab
2:05 - 2:30	Deep Penobscot, An Analogue to Deep Panuke – Are there more Jurassic Reefs Lurking Offshore Nova Scotia? Robert Merrill, Ammonite Nova Scotia Corporation
2:30 - 2:50	PFA: CNSOPB – New Opportunities/Wells; Kris Kendall, CNSOPB
2:50 - 3:10	Overview of Potential in Lease Blocks; Mark Deptuck, CNSOPB

3:10 - 3:30 **BREAK**

3:30 - 4:40	Encana Panel on Deep Panuke Research & Development Projects; Lori MacLean, Encana Panel Topics: Engineering, Offshore Safety & Risk, Produced Water, and others
4:40 - 5:00	Session Q&A

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

## DATA ROOM

Facilitator: TBA

1:00 - 7:00  
Open questions and discussion.

## SESSION 3: RENEWABLE AND SUSTAINABLE ENERGY

Facilitator: Barbara Pike, The Maritimes Energy Association

1:00 - 1:20	Cleaner Energy Framework; Sandra Farwell, Nova Scotia Department of Energy
1:20 - 1:40	Maximizing the Potential for University-Industry Energy Research Collaborations in Atlantic Canada; Richard Isnor, NSERC
1:40 - 2:00	Research & Commercialization; Thomas Rankin, Innovacorp
2:00 - 2:20	Sustainability and Planning for the Energy Future; Julian Boyle, Halifax Regional Municipality
2:20 - 2:40	Powershift Atlantic Smart Grid; Liuchen Chang, University of New Brunswick
2:40 - 3:00	Current Status and Future Trends of Solar Cell Technologies; Rafael Kleiman, McMaster University

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

3:20 - 3:40	Offshore Wind; Speaker TBA
3:40 - 4:00	Energy Recovery from PRV Stations in Water Distribution Networks; Mysore Satish, Dalhousie University
4:00 - 4:20	Agricultural Biomass, Markets, Fuels and Applications; Kenny Corscadden, Nova Scotia Agricultural College
4:20 - 4:40	Canadian Bioeconomy Development: The Need for a National Policy Framework; Murray McLaughlan, Bioindustrial Innovation
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 - 10:10	International Panel Discussion on Growth & Priorities in Marine Tidal Energy; Henry Jeffrey, University of Edinburgh; Cameron Johnstone, Strathclyde; Stuart Baird, EMEC; AbuBakr Bahaj, Southampton; Josh Leon, Dalhousie University; Anna Redden, Acadia University; Frederic Driscoll, National Renewable Energy Lab; Bruce Cameron, Nova Scotia Department of Energy; Rob Stevenson and Alex Alliston, Tidal Generation Ltd.; Doug Keefe, FORCE; Others TBA
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10:10 - 10:30 **BREAK**

10:30 - 11:30	International Panel Discussion on Growth & Priorities in Marine Tidal Energy (continued); Henry Jeffrey, University of Edinburgh; Cameron Johnstone, Strathclyde; Stuart Baird, EMEC; AbuBakr Bahaj, Southampton; Josh Leon, Dalhousie University; Anna Redden, Acadia University; Frederic Driscoll, National Renewable Energy Lab; Bruce Cameron, Nova Scotia Department of Energy; Rob Stevenson and Alex Alliston, Tidal Generation Ltd.; Doug Keefe, FORCE; Others TBA
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11:30 - 12:00 Session Q&A

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

## SESSION 2: NOVA SCOTIA OFFSHORE AND ONSHORE OIL & GAS

8:30 - 8:50	Onshore Atlas, Nova Scotia; Helen Cen, Nova Scotia Department of Energy
8:50 - 9:10	Implications of Pangean Tectonics for Onshore Hydrocarbon Exploration in Nova Scotia; Fraser Keppie, Nova Scotia Department of Natural Resources
9:10 - 9:30	Shale Gas – Windsor Basin; Peter Hill, Triangle Resources
9:30 - 9:50	East Coast Energy's Work on Coal Bed Methane; Arden Thompson, East Coast Energy
9:50 - 10:10	Session Q&A

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

10:30 - 10:50	TBA
10:50 - 11:10	Conventional Oil Exploration in Reefs – Shubenacadie Basin; Ian Shook, Forent Energy
11:10 - 11:30	Update on St. Brendans' Exploration Blocks; Edwin MacDonald, St. Brendan's Exploration Ltd.
11:30 - 12:00	Session Q&A

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

## DATA ROOM

8:30 - 12:00  
Open questions and discussion.

## SESSION 3: RENEWABLE AND SUSTAINABLE ENERGY

8:30 - 8:50	Energy Storage for Solar Energy & Excess Thermal Energy Applications; Handan Tezel, University of Ottawa
8:50 - 9:10	Prometheus Project Solar Furnace; Peter Kinley, Lunenburg Industrial Foundry & Engineering
9:10 - 9:30	Thermal and Electrical Energy Storage for Renewable Energy Integration; Dominic Groulx, Dalhousie University
9:30 - 9:50	Marine Renewable Biofuels; Stephen O'Leary, Institute for Marine Biosciences – NRC
9:50 - 10:10	Session Q&A

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

10:30 - 10:50	Advances in Lithium Ion Batteries; Jeffery Dahn, Dalhousie University
10:50 - 11:10	Smart Net-Zero Energy Buildings Research; Lukas Swan, Dalhousie University
11:10 - 11:30	TBA
11:30 - 12:00	Session Q&A

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

MULTIDISCIPLINARY RESEARCH POSTER PRESENTATIONS