Marine Renewables Canada

Annual Report 2013

marine
renewables
canada

The power to think bigger.

marinerenewables.ca

Who we are

BOARD OF DIRECTORS

Douglas Keefe, Q.C., Fundy Ocean Research Center for Energy (FORCE), Chair

Clayton Bear, New Energy Corporation, Vice Chair

Dana Morin, Fundy Tidal Inc., Treasurer

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Graham Daborn, Acadia University

Bill Johnson, Focus Environmental

Scot Merriam, SRM Projects

Kip Morrison, BC Hydro

Russell Stothers, Clean Current Power Systems

Don Bryan, MacArtney

TEAM

Chris Campbell, Executive Director

Elisa Obermann, Atlantic Director

Amanda White, Operations Director

Marine Renewables Canada is the country's lead wave, tidal, and hydrokinetic energy association representing technology and project developers, utilities, researchers, and the energy and marine supply chain.

Since 2004, Marine Renewables Canada has worked to advance the development of the marine renewable energy industry by identifying and fostering collaborative opportunities, providing information and outreach, and representing the best interests of the sector. Canada has the resources, the skills, and the leadership to ensure our marine renewable energy industry is globally competitive and part of the world's sustainable energy solution. We have the power to think bigger.

Our Vision

A Canadian sustainable marine renewable energy sector, serving domestic and export power needs and providing projects, technologies and expertise in a global market.

Our Mission & Objectives

Marine Renewables Canada aligns industry, academia and government to ensure that Canada is a leader in providing marine renewable energy solutions to a world market. To accomplish this mission, our association works to:

- Promote development of Canadian marine renewable energy industry that will benefit generations of Canadians.
- Foster communication and collaboration between members, industry, academia, government, and the public.
- Create a focus on innovation opportunities that can result in technology, techniques and services for world markets.
- Develop competitive intelligence and appropriate strategic relationships.
- Provide education, outreach, engagement and an understanding of marine renewable energy activities and the economic, environmental, and social benefits they present.
- Support members and industry by increasing exposure for Canadian companies in the world market and identifying business development opportunities.

Leadership Message

2013 has been a transitional year for the marine renewable energy industry and the association. We are now seeing a change in focus from single-device testing to array-scale development – a challenge that the entire global sector is trying to tackle. We are moving from aspiration to development. This is the beginning of a critical phase in which a Canadian supply chain must grow, if it is to capture international opportunities.

To realize opportunities in the world's marine renewable energy market, Canada must continue to aim where the leaders in the sector will be, following the adage of Canadian icon Wayne Gretsky! This is something we've done quite well so far—we have pursued the proof of concept that the electricity industry, governments and the consumer need to see—grid connected power; at a scale appropriate to learning about integration; and with reliability and performance needed of a power plant.

But, to be competitive and world-leading in this emerging phase of development, we must take this one step forward. We have to be strategic – and we have to do this together. A key ingredient for this next stage will be to draw on Canada's Marine Renewable Energy Technology Roadmap to develop a strategic, aligned approach for innovation. A clear vision and strong leadership in marine renewable energy at the national level is essential now if the economic opportunities are not to be lost.

The future for the Marine Renewables Canada Association

The association has addressed the evolution of the sector in a number of ways. Last year we launched the successful re-brand to Marine Renewables Canada from Ocean Renewable Energy Group, in part to lay a foundation for the coming years, certainly because we felt a break into a new phase of shaping an industry.

We have also strengthened our efforts in Atlantic Canada as activity increases around the Bay of Fundy's tidal resource. We've established an office in Halifax and recruited Elisa Obermann (Atlantic Director) and Amanda White (Operations Director). While they are on the east coast, they have been working successfully to support the activities throughout the country and internationally.

Over the course of 2013, we have worked with our members and other organizations on a new strategy for British Columbia engagement, a sustained supplier development campaign, a value proposition for marine renewable energy, a presence and leadership internationally, and we have joined forces with other renewable energy associations to push for a national energy strategy. We have also succeeded in bringing the most significant event for marine renewable energy to Canada in 2014 –the International Conference on Ocean Energy (ICOE). This is the first time ICOE will be outside of Europe and it recognizes Canada as being one of the leading countries in the sector – a position that we must work to uphold. So as we approach 2014 and ICOE, let's ensure that we continue to transition with success and take the steps necessary to be among the leaders in the emerging global marine renewable energy industry.

Douglas J Keefe, QC
Chair

Chris Campbell
Executive Director

Industry Progress & Updates

Building a Stronger Enabling Environment

At both the federal and provincial levels, 2013 has been an important year for establishing the mechanisms to move beyond single device testing to the development of the early multi-device, array projects.

Market pathway: In early 2013, Nova Scotia's Utility and Review Board (UARB) began the process of setting a feed-in tariff (FIT) for the first array-scale projects—an action that was directed through the Government of Nova Scotia's *Marine Renewable Energy Strategy*. As of early November, a ruling on the developmental FIT rate(s) developmental FIT is expected in weeks. The rate is expected to be lower than the existing community-based feed-in tariff (COMFIT) of 65.2 cents/kWh, but will likely be the most favourable market in the world aimed at triggering four development plans.

Additional Strategic Environmental Assessments (SEA): Nova Scotia continues to work towards develop a predictable, efficient, and effective legislative framework and regulatory regime with the first step in the process being strategic environmental assessments (SEA). Over the course of 2013, the Offshore Energy Research Association has managed the process for two SEAs – and update to the Bay of Fundy SEA (previously conducted in 2007-2008) and a new SEA in the Cape Breton region.

Federal environmental regulations: In 2012, the new *Canadian Environmental Assessment Act* 2012 (CEAA 2012) received royal assent which included a public consultation on what should be included in the *Regulations Designating Physical Activities* (the *Project List Regulations)*. These regulations included an environmental assessment trigger for tidal energy projects of 5 MW which was originally developed to manage new proposals for large civil works tidal barrage projects, and was not appropriate to apply to all in-stream tidal energy projects. Working with our members and federal and provincial governments, Marine Renewables Canada engaged in the federal consultation process, advocating for regulations that were consistent with the actual risks of a proposed project.

The result of the consultation and amendments to CEAA was positive –new regulations came into force (November 6, 2013) setting the project list trigger for in-stream tidal energy at 50 MW, a crucial step to facilitating the first array-scale projects.

Increasing Focus on Tidal Energy

Activity continues to grow in Nova Scotia around the Bay of Fundy tidal energy prospects. In parallel with the establishment of a FIT, the Government of Nova Scotia issued a call for bids for the Fundy Ocean Research Center's (FORCE) 4th berth. This has created new interest from project and technology developers and Marine Renewables Canada has worked successfully to recruit and advise several developers new to Canada. It is

anticipated that the successful proponent will be announced in early 2014.

FORCE has continued to move forward with its Fundy Advanced Sensor Technology (FAST) platform and program development – a new site characterization and monitoring program supported by the Government of Canada and Encana. It is anticipated that the FAST project will catalyze the development new tools, instrumentation, and methods for site characterization and monitoring in high flow environments that will benefit the global industry.

Through support from the eco Energy Innovation Initiative (ecoEII) program, a project consortium involving Acadia University, Clean Current Power Systems, Dalhousie University, Dynamic Systems Analysis, Fundy Tidal Inc., and the University of New Brunswick is commencing on the early stages of a project focused on a comprehensive and innovative site assessment at three small-scale tidal COMFIT sites awarded to Fundy Tidal Inc. in Nova Scotia – Digby Gut, Grand Passage, and Petit Passage. The detailed site characterization and assessment will provide key information for industry in terms of configuration and design of an optimal turbine array, minimizing the cost of electricity produced. This is a key activity for designing and implementing energy solutions for marine renewable energy projects worldwide.

Other notable activities supporting tidal energy development this year include Acadia Tidal Energy Institute's creation of The Community and Business Toolkit for Tidal Energy Development, a guide for communities and businesses to better understand and engage in the opportunities stemming from tidal energy. Digby, Nova Scotia also conducted a study to help determine the potential sites for a proposed tidal power servicing centre in the port of Digby. It assessed the infrastructure, land, and organizational requirements required for warehousing, fabrication, and servicing facilities.

In British Columbia, the Canoe Pass Tidal and New Energy joint venture will be permitted in 2013 and should be operational for its primary technology development purpose in 2014. The project may be able to include a variety of supply chain members and technologies. The Butze Rapids Project, the first tidal energy project in Northern BC, will be permitted in 2013 and will serve to engage First Nations and the local community in the project opportunity. Several west coast companies/developers are also exploring potential tidal sites including Western Tidal, MAVI Innovations and SRM Projects. Continued prospecting is going to help define the most likely development areas and may advance to having some pre-commercial sites permitted and ready for development, if the right partnerships and market conditions are achieved.

Advances in wave and river energy

Interest in wave energy development in British Columbia continues, with the most significant activity being led by the West Coast Wave Initiative (WCWI) out of University of Victoria's Institute for Integrated Energy Systems (IESVic). The WCWI is aimed at producing a detailed, precise picture of where wave energy

technologies should be deployed, what usable power these devices produce and how this emerging sector can impact the provincial and national economies. It is working to complete comprehensive wave energy resource assessment using buoys and coastal models, performance estimates of wave energy converter (WEC) technology using high fidelity wave energy converter (WEC) simulations and study how coastal communities and broad regions (e.g. Vancouver Island) can exploit wave energy.

Progress in developing river current energy has also been made in 2013. The federal government has led an assessment of Canada's hydrokinetic power with the intention of providing a primary information base from which a more detailed study can be initiated. This study resulted in initial estimates detailing integrated power throughout Canada and potential hydrokinetic power by region.

With assistance from ecoEII and other supporters a partnership between Manitoba Hydro and the University of Manitoba has helped to establish the Canadian Hydrokinetic Turbine Testing Centre (CHTTC) on the Winnipeg River at 8-Foot Falls. The centre will work towards deploying systems in rivers, develop the required expertise from water-to-wire, and contribute to harness a portion of the hydrokinetic river resource in Canada that will also engage and serve rural communities.

Our Work: Advancing the Canadian Marine Renewable Energy Sector

Supporting Innovation

Towards a National Strategic Innovation Accelerator: Marine Renewables Canada, along with industry members, has identified the lack of a strategic level institution to accelerate innovation through development of enabling technologies and methods as an impediment to sector growth and competitiveness. For example, the Energy Technologies Institute, Carbon Trust, France Energies Marine, and the European Commission's ocean energy initiatives serve this function in the UK, France, and EU respectively, and have been successful in supporting industry progress.

In early 2013, Marine Renewables Canada worked with FORCE, Offshore Energy Research Association (OERA), the Nova Scotia Department of Energy, and industry to define priority areas for technical innovation and developed a preliminary proposal for the establishment of a strategic program to tackle these areas and address areas of competitive advantage.

Over spring/summer 2013, Marine Renewables Canada and FORCE worked closely to refine the concept of a strategic accelerator initiative and developed a concept—the Canadian Marine Renewable Energy Centre of Excellence (C-MREC). The centre concept aims to boost Canadian competitiveness in marine renewable energy by aligning research and development capacities with commercialization opportunities to address barriers to commercial-scale MRE development. With a focused effort on priority areas for technical innovation to support MRE, it will harness and adapt Canada's industrial and research strengths in the offshore, marine, and energy sectors; build capacity; and generate the critical mass needed to compete effectively in global value chains and related ocean technology markets.

The initiative would develop and manage programs targeted at accelerating commercialization of essential tools, technologies, and services for the global marine renewable energy sector.

A proposal for the concept was developed under the Networks of Centres of Excellence (NCE) Commercialization and Research program (CECR), but was not successful in later stages of the competition. However, Marine Renewables Canada believes that a strategic accelerator is a critical need for the sector and will continue to pursue other means to support and establish the initiative with its members and partners.

Standards Development: Marine Renewables Canada received support from the federal government's ecoEII in late 2012 to administer the TC114 International Electrotechnical Commission (IEC) Canadian sub-committee. The primary focus of the committee is on the conversion of wave, tidal, and other water current energy into electrical energy, although other conversion methods, systems, and products are included.

Over the course of 2013, the sub-committee has examined existing standards and developed new work

packages necessary to support technology advancement in Canada. Two research projects were initiated in 2013 and others are expected in 2014. Marine Renewables Canada will support the hosting of the international Plenary TC114 meeting in spring 2014.

Canada has engaged in steps that will lead to the US National Committee proposing a new work item on river energy resource assessment and characterization. As a result, a new project team within IEC TC114 will be created in the Spring of 2014 to develop a standard on this topic.

Fostering sector knowledge—Communications

Communications Strategy: As marine renewable energy is an emerging sector, it is critical that there is ongoing communication and outreach in regards to the opportunities, challenges, and progress. As part of its re-branding efforts (i.e. transition from OREG), Marine Renewables Canada established a new communications strategy to guide our efforts and support all groups and organizations with interests in Canada's marine renewable energy sector. Key goals of the strategy are to increase national and international knowledge and awareness of opportunities and benefits presented by marine renewable energy development and provide education/information to key audiences.

State of the Sector Report: With support from the Department of Fisheries and Oceans (DFO), Marine Renewables Canada developed a report on the current status of the sector in context with global activity to provide more information to the public, stakeholders, and international interests about Canada's marine renewable energy sector and potential.

Building the Sector – Engagement & Outreach

Regional Supply Chain Engagement and Inter-Industry Collaboration: Marine Renewables Canada organized and hosted a supplier information session in St. John's, Newfoundland, as well as meetings with key offshore and marine organizations to strengthen cross-sector collaboration and build the marine renewable energy supply chain. This initiative was a first step in the process to grow inter-industry collaboration and reaffirmed that Marine Renewables Canada needs to succeed in a sustained supplier development initiative aimed at ocean technology and offshore oil and gas support companies.

Pacific Coast Engagement: Marine Renewables Canada continues to push for more activity and support for marine renewable energy on the west coast. In April, the association hosted a Regional Member Meeting in Campbell River, BC. As a result of the meeting, Marine Renewables Canada members developed an action paper identifying potential pathways, partners, and key priorities to ensure that the potential opportunity and benefits of marine renewable energy in British Columbia are realized.

An emerging *Pacific Communities of Interest*, within Marine Renewables Canada, has worked in late 2013 to refine a short-term tactic of pursuit of visible, relevant partnership projects that replace diesel with tidal energy. Task teams are at

work to find pilot projects with First Nations, aquaculture and resort lodges.

With BC government interests deflected from renewable electricity, Marine Renewable Canada has been working to build communities of support with a public open house in Campbell River, two sessions with the Greentech Exchange, a presentation and discussion the West Coast Shipbuilding and Repair Forum, a roundtable with the marine group of Nanwokolis Council and the Pacific Economic Cooperation Council Seminar: Energy transition. Current and ex-board members took the message to PNWER, Hydrovision, the National Aboriginal Development Symposium: Renewable Energy Forum, and the Vancouver Island Economic Development Forum.

Electricity Human Resources Canada (EHRC) – Renewing Futures Steering Committee: Over the past two years, Marine Renewables Canada has been an active member on EHRC's national Renewing Futures Steering Committee, mandated to identify human resource needs and future implications in the renewable energy sector. While marine renewable energy needs have been challenging to pinpoint due to the emerging state of the industry, this committee provides a forum and national network to develop a strategy that can support future supply chain development and training needs. The initiative will be releasing a strategy at the end of 2013.

A Canadian Energy Strategy: In an effort to push for a long-term sustainable energy strategy, Marine Renewables Canada has been engaging in national workshops focused on Canada's energy future—a national stakeholder workshop in support of work by the Council of the Federation and a forum of the Energy Council. It has also been with lead renewables associations to generate a common vision on the transition to renewables in Canada over the next 25-50 years.

Leadership in the marine renewables energy sector is also being recognized at the national level—Canada's *Clean50* (www.clean50.com) summit has now included leaders in marine renewable energy at all three of these annual events – James Taylor (Nova Scotia Power), Melanie Nadeau (Emera) and, for 2014, Chris Campbell (Marine Renewables Canada).

Strengthening a foundation of academic research: Marine Renewables Canada continues to work with universities to focus on necessary research for the sector. This year, the association worked with BC's North Island College in its first attempt to develop a Technology Access Centre with a focus on renewables. Marine Renewables Canada also engaged with the Verschuren Centre at Cape Breton University to refine a strategy for the university's engagement with marine renewables development.

International Business Development: The association has continued its efforts to support its members in building partnerships and opportunities internationally, as well as gather market intelligence, build international relationships with key organizations, and profile Canada's strengths and opportunities to a world market. In 2013,

Marine Renewables Canada led the following international business development initiatives (about a dozen members have been partially supported as part of these promotion/competitive intelligence missions):

United Kingdom (UK): Exhibition and conference participation at RenewableUK in partnership with FORCE and Nova Scotia Department of Energy. A key focus was on identification of developer interest in the 4th berth opportunity at FORCE.

Work has also continued under the *Canada-United Kingdom Joint Declaration* regarding cooperation and collaboration on marine renewable energy commercialization. Marine Renewables Canada worked with the British High Commission to engage with UK representatives on a panel at the Canadian Science Policy Conference.

France: The association participated in Thetis in April as an exploratory mission which resulted in attraction of an incoming mission from France to Nova Scotia in October. The French incoming mission included strategic innovation and business development organizations (France Energies Marine, Pole Mer Bretagne, and Bretagne Commerce International) as well as companies with interest in investing in the Canadian market opportunities. As a result of these exchanges, Marine Renewables Canada has been able to strengthen our relations with France and we will continue to work with these organizations to realize potential partnerships or opportunities for our members and the sector.

India: With support from the Department of Foreign Affairs, Trade and Development (DFATD), Marine Renewables Canada was able to support a mini-mission to India for market exploration.

This mission has reported a significantly greater understanding of the approaches to India's adoption of renewables, the industry structure and entry points.

United States: Marine Renewables Canada has been working with organizations in Maine—Maine Composites Alliance and Maine Ocean and Wind Industry Initiative—to establish an Atlantic marine renewable energy industry alliance. This alliance would build on the Nova Scotia-Maine MOU on tidal energy and is intended to develop cooperation and joint approaches to facilitate the identification of supply chain capacity and capabilities and new market niches for the marine renewable energy sector. Canada was represented by a number of members and presented part of an international activity review panel at GMREC in Washington.

Events

Oceans Week: In June, Marine Renewables Canada participated in Nova Scotia's Oceans Week exhibition. This was a significant opportunity to build stronger relationships with the ocean technology and marine sectors in Nova Scotia and provide more information on opportunities in the marine renewable energy to companies in related sectors.

Marine Renewables Canada Annual Conference: The 2013 conference will be held in Ottawa, Ontario on November 20-21. This year's theme is "From Prototyping Technology to Prototyping an Industry"

and focuses on how Canada will move to the next stage of development—from single devices to array-scale projects. Attendance at the annual conference has been growing each year and it appears that this year will follow suit with several international delegations joining our members and critical players in Canada's marine renewable energy sector. The conference will also feature a reception focused on engaging some of Canada's key political and business leadership.

International Conference on Ocean Energy (ICOE): The International Conference on Ocean Energy (ICOE) is the most significant global marine energy event focused on the industrial development of marine renewable energy. Held every two years, the goal of the conference and exhibition is to share recent experiences from research and demonstration efforts. It aims to accelerate development by stimulating collaborative networks between companies and research and development centers. It also specifically targets engagement of the experience of operators in related marine and power industry sectors.

Since 2006, Marine Renewables Canada has been increasing Canada's presence at the event and in 2012 Marine Renewables Canada, along with core local partners—Government of Nova Scotia, Offshore Energy Research Association (OERA), and The Maritimes Energy Association developed a successful bid to host the next ICOE in Halifax, Nova Scotia. The announcement was made in October 2012 at the 4th ICOE in Dublin, Ireland by Associate Minister of National Defence and Minister of State (Atlantic Canada Opportunities Agency) (La Francophonie), Honourable Bernard Valcourt. Marine Renewables Canada worked to strengthen the bid and the presence of the Canadian sector by leading a mission of 33 people, representing 21 organizations involved in the marine renewable energy sector and organizing a prominent exhibition stand and a networking breakfast and reception with assistance from the Canadian Embassy in Ireland.

Marine Renewables Canada stand at ICOE 2012 in Dublin, Ireland.

Minister Valcourt with Northern Ireland's Minister of Trade, Ms. Arlene Foster; Ireland's Minister of Energy, Mr. Pat Rabbitte; and Chief Executive Sustainable Energy Authority of Ireland (SEAI), Dr Brian Motherway.

Hosting ICOE is an important opportunity for Canada and it will represent the first time ICOE is outside of Europe. ICOE will help to highlight the role that Canada will play both domestically and internationally as the marine renewable energy sector matures.

Over the past year, Marine Renewables Canada has been leading the development of the event. It will take place at the World Trade & Convention Centre in Halifax, Nova Scotia from November 4-6, 2014. The event will include a three day international conference, an exhibition with 50-70 booths, reception, gala dinner and technical tours and field trips (within Nova Scotia).

Financial Summary

2013 has been the year in which the Ocean Renewable Energy Group has been closed down. OREG was able to make a contribution of approximately $100,000 to launch Marine Renewables Canada.

The transition to Marine Renewables Canada is more than a change in name and move to federal incorporation. It is preparation for the *movement's* second decade and the expansion of the functions of the association. This has required investment in the support that is needed for that future, specifically the development of the Halifax office, the development of the Atlantic Director and the creation of the position of Operations Director.

The 2014 International Conference on Ocean Energy has been part of the rationale for the investment in support capacity. The intent is that ICOE will be run as a revenue generation event to support this, and to make a contribution to INORE (the international student/young professional association).

The level of membership revenue is 2/3 of that a few years ago reflecting some change in the membership makeup as the sector has become more development and geography focused. We expect that through recruitment efforts and increasing development activities, these numbers will grow in 2014.

As a *Soliciting Corporation* (receiving some public support funds is the definition), Marine Renewables Canda will have financial statement for 2013, audited by Church Pickard of Nanaimo.

A statement of Income, Expenses and Balance (provisional) is offered for the first 10 months of 2013, with a preliminary forecast for the year.

MARINE RENEWABLES CANADA SOCIETY					
Financial Statements					
January 1 - October 31, 2013					
ASSETS			**INCOME**		
Current Assets				Actual	Forecast
Cash in Bank	3,723				
Accounts Receivable	107,767		RENE 048 Claims	187,930	247,231
HST/GST Receivable	18,165		ICOE 2014	0	55,000
			Conference Registration & Support	63,300	115,250
Total Current Assets	129,655		Government Contracts	36,490	16,540
			Various Side Events	7,632	26,462
Prepaid Expenses			Membership Fees	54,564	55,764
			Travel Reimbursement	4,420	4,420
Insurance	924		Donation from OREG	102,768	102,768
Deposits	12,060		Other Income	191	190
ICOE 2014 Expenses	24,107				
IEC 2014 Expenses	3,250				
Total Prepaid Expenses	40,341		**Total Income**	**457,295**	**623,624**
Total Assets	169,995				
			EXPENSE		
LIABILITIES					
			RENE 048 Claims	149,153	166,836
Current Liabilities			ICOE 2014	0	51,628
			Conference Expense	2,962	55,250
Accounts Payable	38,597		Marine Renewables-Various Events	10,896	3,740
Due to OREG	0		Wages & Contract Labor	157,692	203,671
Payroll Taxes Payable	1,850		Administrative Expense	11,504	42,206
Deferred Income-ICOE 2014	48,420		Advertising & Promotion	3,489	3,489
			Travel Expense	40,472	39,826
Total Liabilities	**88,866**				
			Total Expense	**376,167**	**566,646**
RETAINED EARNINGS					
Retained Earnings-Current	81,128		**Net Income (Loss)**	**81,128**	**56,979**
Total Liabilities & Equity	**169,995**				

Our Members

Acadia Tidal Institute
www.tidalenergy.acadiau.ca

Aecon Atlantic Industrial Inc.
www.aecon.com

Andritz Hydro Canada Inc.
www.andritz.com/hydro

AOE Accumulated Ocean Energy Inc.
www.aoecanada.ca

ASL Environmental www.aslenv.com

AXYS Technologies
www.axystechnologies.com

BC Hydro www.bchydro.com

Bluewater Energy Services
www.bluewater.com

Broad Spectrum Consulting Ltd.
www.broadspectrum.ca

Campbell River Economic Development Corporation www.rivercorp.ca

Canadian Copper and Brass Development
www.coppercanada.ca

Canadian Projects Limited
www.canprojects.com

Charles Wood, Seawood Designs Inc.

City of Campbell River
www.campbellriver.ca

Clayton Hiles

Clean Current Power Systems
www.cleancurrent.com

Coastal Hydropower
www.coastalhydropower.com

College of the North Atlantic – Burin Campus www.cna.nl.ca/Campus/BU

Dalhousie University www.dal.ca

Deborah Boone

DP Marine Energy Limited
www.dpenergy.com

Dynamic Systems Analysis, Ltd. www.dsa-ltd.ca

Emera www.emera.com

Enbridge www.enbridge.com

Focus Environmental Inc.

Fundy Ocean Research Center for Energy (FORCE) www.fundyforce.ca

Fraser River Pile & Dredge www.frpd.ca

Fundy Tidal Inc. www.fundytidal.ca

Gary Garnett, CFN Consultants

GL-Garrad Hassan www.gr-garrardhassan.com

Graham Daborn

Grey Island Energy
www.greyislandenergy.com

Halcyon Tidal Power LLC

Hatch www.hatch.ca

Hemmera www.hemmera.com

Idenergie www.idenergie.ca

Irving Transportation Ltd.
www.jdirving.com

Juergen Puetter

Jupiter Hydro Inc. www.jupiterhydro.com

Knight Piesold www.knightpiesold.com

Lengkeek Vessel Engineering Inc. www.lengkeek.ca

MacArtney Inc www.macartney.com

Maine Composites Alliance www.mainecompositesalliance.org

Marine Institute of Memorial University www.mi.mun.ca/mi_international

Maritime Tidal Energy Corp. www.maritimetidal.com

Maine Maritime Academy www.mainemaritime.edu

Martin Tampier

Mavi Innovations www.mavi-innovations.ca

McKeil Marine www.mckeil.com

Meridian Marine Industries Inc. www.meridianmarine-inc.com

Minas Basin Pulp and Power www.minas.ns.ca

M.K. Ince and Associates Ltd. www.mkince.ca

Nalcor Energy www.nalcorenergy.com

National Research Council www.nrc-cnrc.gc.ca

New Brunswick Power www.nbpower.com

New Energy Corp www.newenergycorp.ca

NortekUSA www.nortekusa.com

Northwest Hydraulic Consultants, Ltd. www.nhcweb.com

Nova Scotia Department of Energy www.gov.ns.ca/energy

Ocean Renewable Power Company (ORPC) www.orpc.co

Powertech Labs www.powertechlabs.com

Renewable Energy Systems Canada Inc. www.res-americas.com

Resolute Marine Energy Inc www.resolutemarine.com

Rockland Scientific International www.rocklandscientific.com

SCHOTTEL www.schottel.de

Sea Breeze Power Corp www.seabreezepower.com

Sea Mammal Research Unit (SMRU) www.smru.st-and.ac.uk

Shark Marine Technologies Inc. www.sharkmarine.com

Siemens Canada www.siemens.ca

SRM Projects www.srmprojects.ca

Thordon Bearings Inc. www.Thomson-Gordon.com

Tony Tung

Stantec www.stantec.ca

Tidal Sails www.tidalsails.com

UVic IESVic www.iesvic.uvic.ca

Verdant Power Canada www.verdantpower.com

Voith Hydro www.voith.com

Western Tidal www.westerntidal.com

Yves Savoie