

REFERENCE	
Title:	Charting the Course: Canada's Marine Renewable Energy Technology Roadmap
Date:	October 2010
Author:	Marine Renewables Canada
Funded by:	
Hard copy reference:	
URL:	http://www.marinerenewables.ca/wp-content/uploads/2012/09/MRE_Roadmap_e.pdf
Date accessed:	19/02/2014
Web Format:	pdf
IEA topics covered	Ocean Energy
Geographical focus:	Canada
Brief Abstract:	Presents the vision and development of the ocean energy industry in Canada, and its effort to become a global leader in ocean energy.

OUTPUTS	
Short Report?	
Major report?	yes
Visualisations?	
Information held on dedicated software?	
- which package?	

ARCHITECTURE	
Timescales used:	2011-2030
Trends and drivers?	yes
- list	Cost reduction; technology development; cross-sector synergies and skills opportunities; markets
Enablers?	yes
- list	Define the needs of the utilities and leverage shared infrastructure to develop market position; leverage synergies and skills from other sectors; develop technology incubators and accelerate innovation.
Performance measures/targets?	yes
- list areas	1. Leveraging Canada's Shared Infrastructure 2. Defining Marine Solutions to Meet Utility Needs 3. Ensure Canada's Advantage in River-Current Technologies 4. Develop Critical Technology Components 5. Leveraging Skills and Experience from

	other Sectors 6. Developing and Setting Project Design Guidelines
Mapping of RD&D activities?	yes
Critical assessment of capabilities?	

PROCESS	
Methods used:	
- Desk study?	
- Consultation	
- Interviews?	yes
- Facilitated workshop(s)	yes
- Working groups/task force	yes
- Integrated Process	yes
Stakeholders engaged:	
- University based researchers	Yes
- Other public sector researchers	Yes
- Business – technology	Yes
- Business – other	Yes
- Government - energy	Yes
- Government – SET	
- Government - other	
- NGOs	
No of people engaged:	~65
Budget (if known):	
Commitment to re-visit?	Yes

ACTIONS IDENTIFIED	
List of actions?	Yes
Actions listed according to timescale?	Yes
Actions prioritised?	yes
Sequencing/dependencies identified?	no
Responsibility for actions identified?	no
Types of actions identified:	Yes
- Basic research?	yes
- list areas	Define ongoing monitor needs; develop best practices; resource and site investigation; permitting and interconnection planning; best practice standards; identify utility needs; knowledge sharing and stakeholder engagement
- Applied research?	yes
- list areas	Identification of location for projects; focus on cost reduction; large-scale testbeds; increase Canadian manufacturing capability and productivity
- Development & demonstration	Integrated supply chain; continued demonstration and deployment and development of best practice for project lifecycle management
- list areas?	

- Other types of action?	
- list other types	

This Roadmap Characterisation was compiled by Samantha Quinn of the University of Edinburgh in March 2014

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