

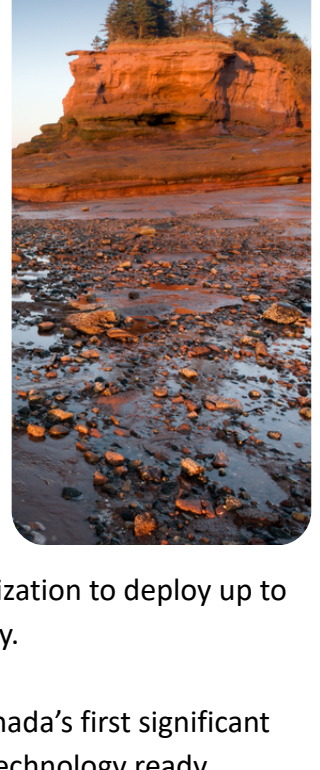
Fundy's Tidal Sector Snapshot

Major Research Projects

September 2025 marked a pivotal moment for tidal energy research in the Bay of Fundy. To advance the sector, Canada announced its investment in new environmental monitoring approaches and research on risk of fish-turbine interactions in Fundy's high flow sites. Over \$10 million is currently supporting two enabling projects in Natural Resource Canada's Energy Innovation Program (EIP):

Ocean Sensor Innovation Platforms (OSIP) project, led by the Fundy Ocean Research Centre for Energy (FORCE)

Reducing Fish-Turbine Collision Risk Uncertainty in the Minas Passage, Bay of Fundy project, led by Acadia University



These projects support milestones with Eauclaire Tidal Ltd. (Eauclaire) which received authorization to deploy up to three Orbital Marine Power (Orbital) O2-X tidal energy devices in Minas Passage, Bay of Fundy.

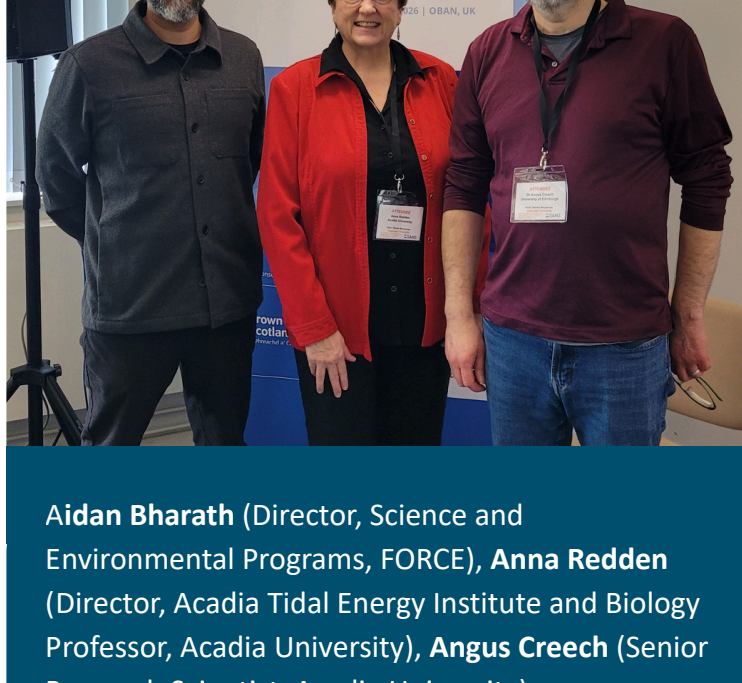
Eauclaire's recent 15-year power purchase agreement with Nova Scotia Power represents Canada's first significant multi-turbine array pathway. With impressive tidal currents, the Minas Passage is attracting technology ready, commercial players, making active utilization of FORCE's cabled deployment sites.

FERN Lead Delivers Keynote at EIMR Conference in Scotland

FERN's Executive Chair, Dr. Anna Redden, delivered the first keynote talk at the Environmental Interactions of Marine Renewables (EIMR) 2026 Conference in Oban, Scotland (April 13-16). She discussed Canada's long history of Bay of Fundy tidal energy development proposals (since 1903), turbine installations since 1984, lessons learned, and new industry enabling environmental research projects currently underway.

Also presenting on Bay of Fundy tidal stream research were:

- Dr. Aidan Bharath (FORCE), who focused his talk on initial testing of underwater cameras and lighting techniques to evaluate optical methodologies for fish detection in Minas Passage; and
- Dr. Angus Creech (Acadia University), who presented CFD modelling approaches using OpenFOAM and the WATTES turbine model, and their application in Bay of Fundy tidal stream environmental and engineering assessments.



Aidan Bharath (Director, Science and Environmental Programs, FORCE), Anna Redden (Director, Acadia Tidal Energy Institute and Biology Professor, Acadia University), Angus Creech (Senior Research Scientist, Acadia University)



Mike Wambolt (Assistant Manager, Regulatory Reviews, Department of Fisheries and Oceans, Maritimes Region, Canada)

FORCE Hosts Public Update in Parrsboro, Nova Scotia

FORCE hosted a public update in Parrsboro on April 29, bringing together community members, researchers, industry, and government to share progress on tidal energy development in the Bay of Fundy. Highlights included updates on policy, research, and project activity, reflecting growing momentum in the sector. The Nova Scotia Department of Energy and Mines and Marine Renewables Canada outlined long-term opportunities, while FORCE shared developments in governance, staffing, and partnerships. Research advancements, particularly NRC-supported work to better understand fish interactions with turbines, were also featured by FORCE and Acadia. Developers Eauclaire Tidal and Orbital Marine Power provided project updates, including next steps following a key federal authorization for Eauclaire. The session reinforced FORCE's commitment to science, collaboration, and ongoing community engagement.



[Learn More](#)

Research Roundup

Enabling Research in the Tidal Energy Sector



What research is progressing the state of the tidal energy sector within Canada and across the globe? From environmental monitoring to grid integration, the latest insights are coming straight from the experts informing the sector.

FERN's newest report – Enabling Research in the Tidal Energy Sector, highlights related presentations and workshop discussions from the 2025 MRC Conference. Dive into the full report and explore the abstracts that relate to tidal energy initiatives.

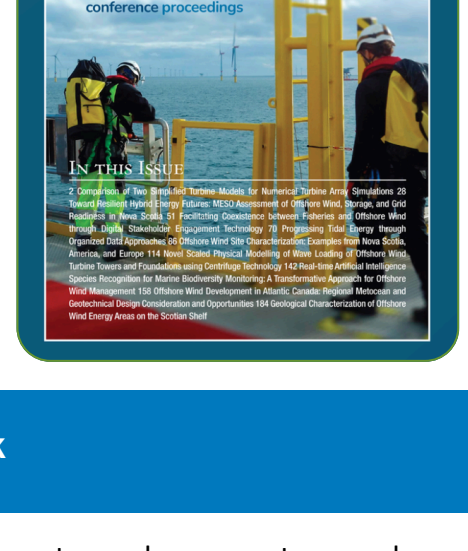
[Read the Full Report](#)

Journal of Ocean Technology (JOT)

Volume 21 of the Journal of Ocean Technology features nine full papers from the Marine Renewables Canada 2025 Conference proceedings.

This archived JOT issue includes a collection of articles exploring developments in offshore wind, tidal energy, marine data, and emerging ocean innovations. It offers valuable insights from researchers, industry leaders, and technical experts who are helping to shape the future of marine renewable energy.

[Read the Full Issue](#)



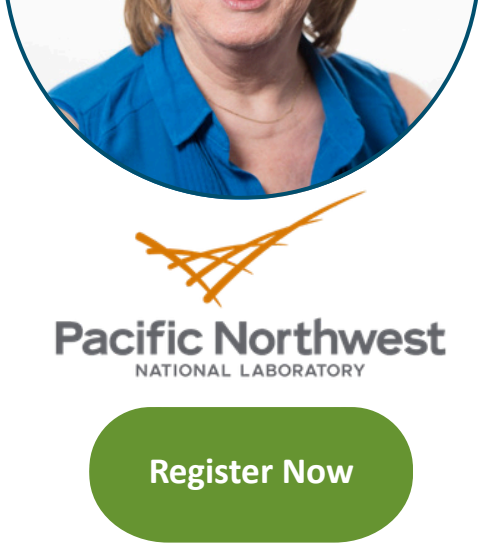
National & International Outlook

[Submit News](#)

Are you located outside of Atlantic Canada? We invite you to send us current research updates and project milestones for consideration in FERN's future newsletters.

Upcoming Events

FERN Webinar Series



The Power of Environmental Data: Advancing Tidal Energy Responsibly

May 14, 2026
12:00 ADT (8:00 PDT)
Online - ZOOM

Dr. Andrea Copping, Senior Advisor & Researcher

As tidal energy scales globally, environmental data is critical for reducing uncertainty around marine life interactions, habitat impacts, and turbine noise. Join us as we learn how structured approaches and internationally developed tools from Ocean Energy Systems-Environmental (OES-E) can support efficient tidal sector growth.

[Register Now](#)

Marine Renewables Canada 2026 Conference

Call for Abstracts - Research & Technical Track

Submit your abstract for the Marine Renewables Canada 2026 Conference & Exhibition in Ottawa, Ontario, taking place during November 17-19. Showcase your research, innovations, technical expertise, and real-world project experience in advancing offshore wind, tidal, wave, and river-current energy.

FERN is the official partner of the Research & Technical Track.

EXTENDED Submission Deadline: May 29, 2026, 11:59 ADT



[Click to Submit](#)

Other Marine Renewable Energy Sector Events

Ocean Renewable Energy Conference (OREC)

May 18-21, 2026
Portland, Oregon

Seenergy

May 19-20, 2026
Nantes, France

European Maritime Day (EMD)

May 21-22, 2026
Limassol, Cyprus

International Conference on Ocean, Offshore & Arctic Engineering (OMAЕ)

June 7-12, 2026
Tokyo, Japan

[View All Upcoming Events](#)

Opportunities Corner

Research & Funding

Alliance Advantage Grant

- No deadline
- NSERC
- University researchers collaborating with private-sector, public-sector, or not-for-profit organizations

Careers

Industry Postdoctoral Fellowship

- Applications considered as received
- Ocean Frontier Institute
- Postdoctoral researchers to be matched with leading ocean organizations

[Want to share your research, funding, or career opportunity? Click here!](#)



Why don't tidal turbines get lost? Because they just go with the flow and always come back.



Funding & Host Support

