

Argentia Renewables

Newfoundland and Labrador are uniquely positioned to meet the demand of the rapidly growing European market for green hydrogen.

Argentia Renewables consists of a 300 MW wind-powered green hydrogen and ammonia production and export facility located at the Port of Argentia, the closest deepwater, ice-free port to Europe in the Western Hemisphere.



Good Neighbours Produce Meaningful Partnerships

We believe in acting as a good neighbour through longterm engagement and giving. Armow Wind equally commits to listening and respecting the landowners and communities that host our facilities through relationship building, open communication, and the reception of feedback. We encourage you to call or email our team to start a conversation.

Wind energy will power dockside electrolyzers to produce green hydrogen that will be used as feedstock for ammonia production. The final product—carbon-zero/green ammonia—will be safely stored at the Port for export to European offtakers.

Economic Investment

An initial capital investment of ~\$1.4 billion CAD (including both wind and green fuels infrastructure), representing one of the largest renewable energy investments in Canadian history.

Job Creation

Creates construction jobs, including equipment operators, electricians, laborers, and more. We prioritize hiring locally when possible. Once operational, permanent staff will operate and maintain the facility.

Business Opportunities

Creates an economic boost and brings opportunity for local businesses to provide materials and services.

Lasting Revenue

We believe in giving back to the communities that host our development projects and operational facilities. We contribute to local causes through sponsorships and donations throughout all project phases, and we implement Community Benefit Programs at operational facilities.



Harnessing the Power of the Wind to Advance Economic Development and Decarbonize Simultaneously

The development of wind energy and Green Fuels infrastructure offers the only clear and cost-effective pathway to decarbonizing sectors of the economy that require hydrogen as a feedstock, such as heavy industry and transportation.

Pattern Energy's resources, experience, and market credibility position our company to meet the many challenges associated with commercializing green fuels export projects in remote locations.

Working with world class partners, local companies, community hosts and residents, local governments, and First Nations, we are committed to making these projects a reality.

Target Schedule

2023/2024

Completion of environmental and feasibility studies, acquiring regulatory approvals, securing offtake arrangements

2024/2025

Target for final approvals and commencement of construction

2027

Target commercialization

About Us

Pattern Energy is a leading developer, operator and owner of renewable energy infrastructure projects and facilities across North America. Our mission is to transition the world to renewable energy through the sustainable development and responsible operation of facilities with respect for the environment, communities, and cultures where we have a presence.

Our approach begins and ends with establishing trust, accountability, and transparency. Our company values of creative spirit, pride of ownership, follow-through, and a team-first attitude drive us to pursue our mission every day. Our culture supports our values by fostering innovative and critical thinking and a deep belief in living up to our promises.

Headquartered in San Francisco, Pattern has a portfolio of power facilities and transmission assets producing and transporting nearly 6,000 MW of power across North America, serving various customers that provide low-cost clean energy to millions of consumers.