



Regional
Enterprise
Network

OFFSHORE WIND

SYDNEY HARBOUR

POINTS OF INTEREST

Sydney Harbour is an ice-free harbour in the Cabot Strait, at the Northeastern shore of Cape Breton Island. Sydney is the **second largest urban centre in Nova Scotia, Canada**, with **exceptional offshore wind speeds, proximity to international markets**, a **port with brownfield and greenfield land**, and a **thriving workforce** making it an ideal location for offshore wind and green fuels development.

The Government of Nova Scotia initially plans to develop 5GW of offshore wind energy by 2030, with the first call for leasing expected in 2025.

- › **Wind Resources** – Sydney Harbour’s offshore area provides world-class wind speeds of 10-11 m/s, as well as depths suitable for both fixed-bottom and floating turbines.
- › **Proximity to International Markets** – Sydney Harbour is the first port of call off the Great Circle Route. It is a designated Free Trade Zone (FTZ), which makes it an ideal location for offshore wind development to produce green fuels through power-to-x for export to European markets.
- › **Ports and Industrial Land** – With assets including the Sydney Marine Terminal, Novaport’s proposed marshalling and container terminal, and thousands of acres of port-side land, Sydney Harbour has the capacity to service all aspects of an offshore wind farm’s lifecycle, including manufacturing, marshalling and storage, assembly, operations and maintenance, decommissioning, and recycling.
- › **Labour and Workforce Development** – Cape Breton Island currently has a thriving workforce of 55,900 people. Nova Scotia Community College’s (NSCC) Sydney campus and will offer skills training and programs to service the offshore wind sector. Cape Breton University is providing degree programs in engineering, supply chain management, sustainability, and nautical sciences. In addition to the current and upcoming workforce, the Cape Breton Partnership can support employers through Immigration Services to attract and retain talent.
- › **Research and Innovation** – Alongside NSCC’s applied research centre on the Sydney waterfront, the Verschuren Centre for Sustainability in Energy and the Environment is an independent clean tech development and deployment facility that offers client-tailored services. The Verschuren Centre inspires a collaborative shared goal of accelerating the transition to a green and circular economy and meeting net-zero targets through innovation.

For more information:

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