

Case Study

EverWind Fuels

METEOROLOGICAL DATA CAMPAIGN



Permit Planning, Data Management & Visualization

The screenshot displays the EverWind Fuels software interface. The top bar shows the logo and 'Current Section: 2024 Summer MET Tower Campaign'. The left sidebar lists various permit sites and campaigns. The central panel features a table titled 'MET 2024 Program' with an 'Overview Map' button. The table lists three sites with their respective details. The right panel shows a map of the project area with various permit sites marked.

Site Number	Site Name	Location	Type	Access	Permit Status
MET24-1	RJG Quarry / Stump Pond	45.97712 -55.28078	89m Lattice	200m 4-5m road from quarry edge	Crown Lands LTO - Referred
MET24-2	Point May / Hare Hills	45.92966 -55.88437	89m Lattice	150m grubbed 4m access from Lamaline ATV Trail	Crown Lands LTO - Referred
MET24-3	Fortune Hills / Tobacco Road	47.02346 -55.84330		1650m along unapproved ATV Trail.	Crown Lands LTO - Referred

EverWind Fuels looks to lead the energy transition, which requires lots of permitted work on the ground. How do you effectively manage permits for a large complex wind project?

Through its Burin Peninsula Green Fuels Project, EverWind Fuels, is proposing to develop a 2-3 GW wind farm to produce green hydrogen and ammonia on the Burin Peninsula in Newfoundland and Labrador. Construction is set to begin as early as Q4 2025. Phase 1 of this multi-phase project could begin production as early as late 2028. The EverWind team continues to study the site and how to ensure the project does not negatively impact the local environment or communities on the Burin Peninsula.

THE CHALLENGE:

Anyone who has visited the Island of Newfoundland can appreciate the bounty of wind energy that touches every corner of its vast expanse. While it may appear obvious that there is plenty of wind for large scale wind-farm development, the nature of the wind must be fully understood prior to any project moving forward. How hard the wind blows, at what time, in which directions and at what height all must be measured, analyzed, and verified prior to any development.

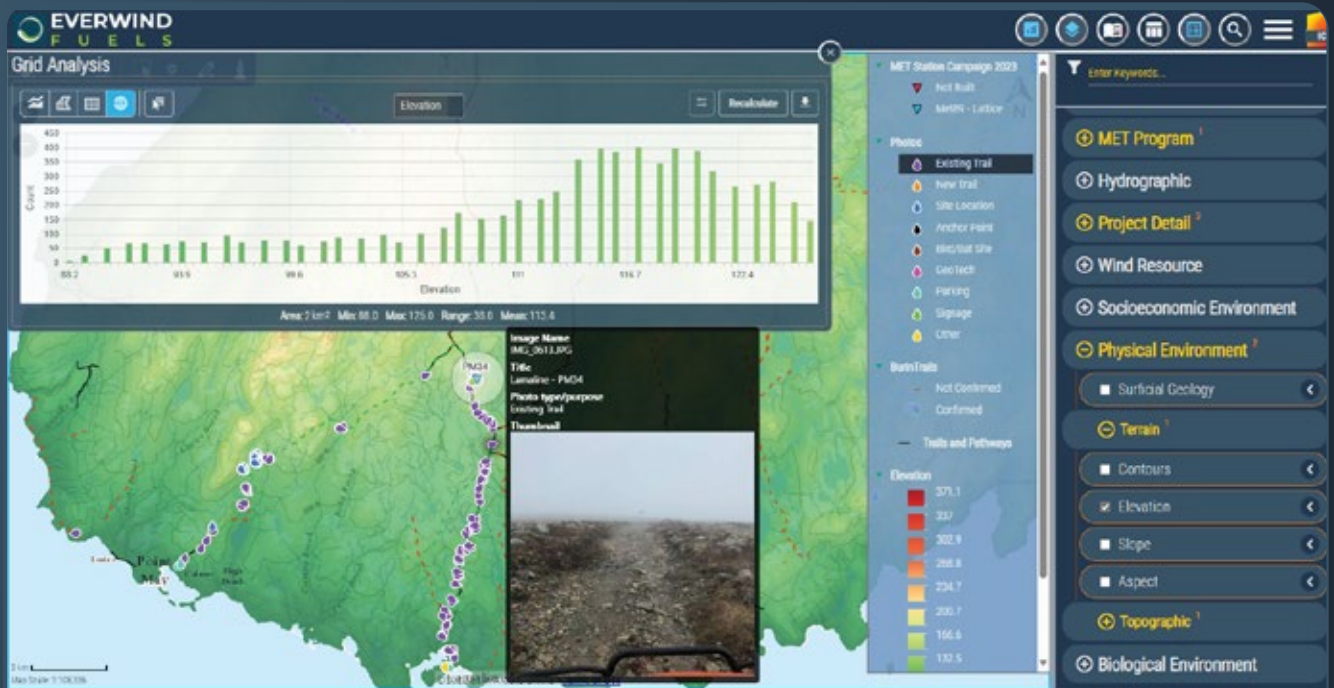
This is typically done over 2 or more seasonal cycles, so it is critical to establish the infrastructure to study this valuable resource, but in a way that minimizes any impacts upon the land and communities, while maintaining a schedule. Installing this infrastructure requires many permits from all levels of governments, which can be time consuming and costly if information is not readily available for analysis.

THE SOLUTION:

ICI was hired by EverWind Fuels to support its bid for Crown Lands required for the project using its RIVAS Project Information Management System (PIMS) and its experienced project support staff. With its successful bid, attention was shifted to conducting a meteorological study of the area, which required the following tools:

COMPONENTS INCLUDE:

- **ReportViz** for the review of the awarded crown lands, the terrain, including water bodies, streams, and other physical, biological, and socioeconomic information that could be used within the permit application process.
- **Engagement Manager** for the collection, management, query, and display of all engagement information related to permits, such as communications with trail associations, towns, regulators, and individuals.
- **Document Manager** for the management, search, and retrieval of all permit related documents.



ReportViz consolidates geoscience data in the same view with the location of documents and photos from SharePoint Online. Clicking on any element lets the user drill into supporting information.

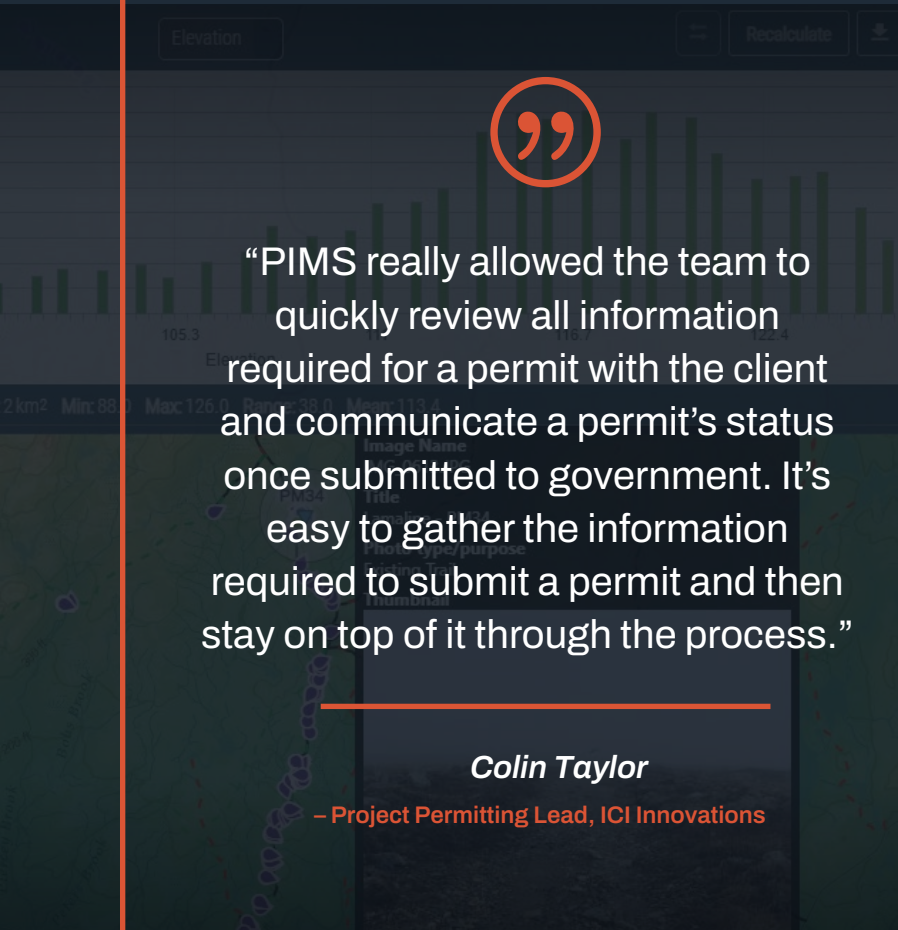
Microsoft Teams was used to create a collaboration environment for the project as well as the SharePoint Online site, which houses most content. Microsoft SQL Server was also used to manage large and complex datasets that require advanced query options, such as multi-year commercial fishing records, crownland titles and mineral claims.

ICI Innovations

BETTER INFORMATION FLOW SO CUSTOMERS ACHIEVE GOALS FASTER

Its ReportViz application is part of the larger RIVAS solution for project information management. It provides access to sophisticated data and reports so project information can be managed and communicated more effectively.

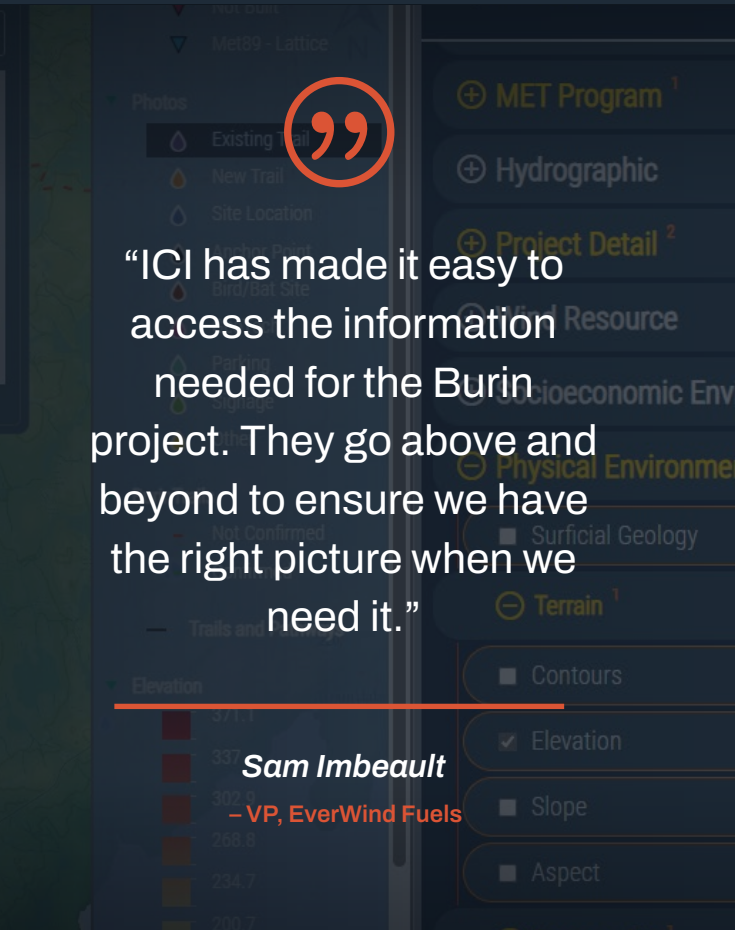
ReportViz is a complete digital EIA and interactive data visualization solution that is tightly integrated with Microsoft 365's SharePoint Online platform. ICI Innovations has a solid reputation for providing easy to use, yet powerful solutions that support various natural resource-based industries, including energy.



“PIMS really allowed the team to quickly review all information required for a permit with the client and communicate a permit’s status once submitted to government. It’s easy to gather the information required to submit a permit and then stay on top of it through the process.”

Colin Taylor

– Project Permitting Lead, ICI Innovations



“ICI has made it easy to access the information needed for the Burin project. They go above and beyond to ensure we have the right picture when we need it.”

Sam Imbeault

– VP, EverWind Fuels



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