

## Greenview Industrial Gateway

*Kyle Reiling, Executive Director  
MD of Greenview,*

### Executive Summary

The Greenview Industrial Gateway (GIG) is on track to become one of Canada's leading net-zero, eco-industrial developments, setting the gold standard for low carbon emission for Natural Gas processing and manufacturing.

This 2,000 acre (809 hectare) site is one of the only locations in Canada that will provide a closed-loop system, with a guaranteed supply of raw materials, access to water for processing, an outstanding transportation network to markets, and the ability to minimize manufacturers' carbon footprint through nearby carbon sequestration and management.

This project has the potential to build Canada's international reputation as a leader in creating successful systems for energy-related manufacturing centres that are environmentally sustainable.

The first agreement has been signed with Northern Petro Chemical Corporation (NPC) to construct a \$2.5 billion Natural Gas to Blue Methanol and Blue Ammonia production facility, generating 4,000 jobs during construction and 400 full-time, permanent positions once completed. Construction is anticipated to start in the next three years.

The MD of Greenview has also approved a memorandum of understanding with Cerilon Development GTL to purchase approximately 200 acres (81 hectares) in the GIG. Cerilon intends to construct a \$1.6 billion facility on the site to manufacture clean, environmentally friendly, ultra-low sulphur diesel and specialist products. The planned facility will generate up to 1,600 jobs during construction with more than 80 direct permanent positions, as well as 200 contractors and providers, once it is operational.

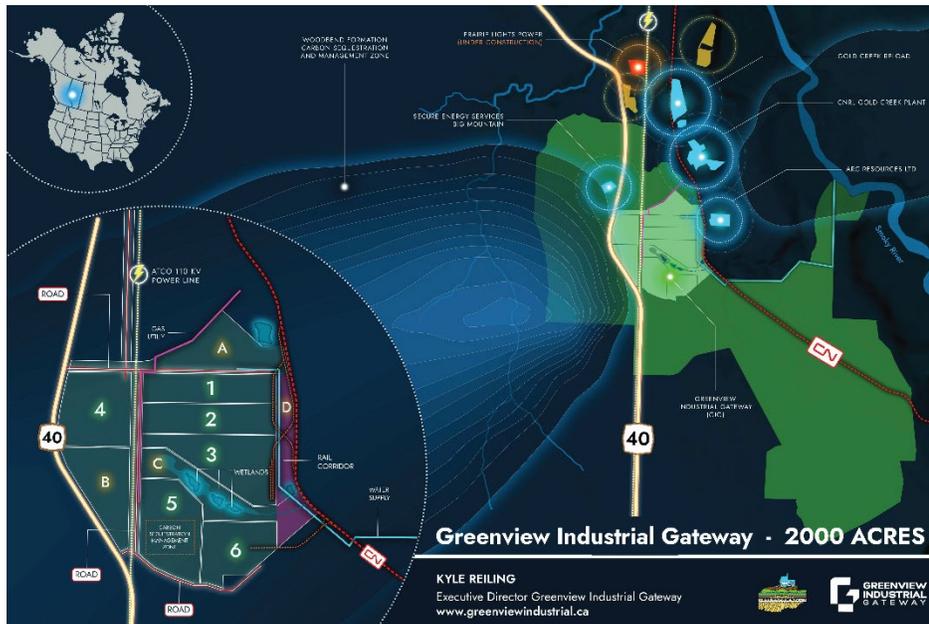
Once it is fully operational, Cerilon will apply its innovative processes and systems, combined with smart manufacturing technologies, to process up to 24,000 BPD of gas to liquids. The facility will also capture CO<sub>2</sub> and implement carbon capture and sequestration processes resulting in the lowest carbon footprint of any GTL facility in the world.

### Location

In 2021 the MD of Greenview reached a historic agreement with the Government of Alberta to purchase 2000 acres (809 hectares) of crown land within the MD and immediately adjacent to the Montney formation.

The Montney Formation's marketable, unconventional petroleum potential was evaluated for the first time in 2012 through a joint assessment by the National Energy Board, the British Columbia Oil and Gas Commission, the Alberta Energy Regulator, and the British Columbia Ministry of Natural Gas Development (<https://bit.ly/3JWFilj>). This study found that the potential resources contained within the formation were 12,719 billion m<sup>3</sup> (449 Tcf) of marketable natural gas, 2,308 million m<sup>3</sup> (14,521 million barrels) of marketable NGLs, and 179 million m<sup>3</sup> (1,125 million barrels) of marketable oil.

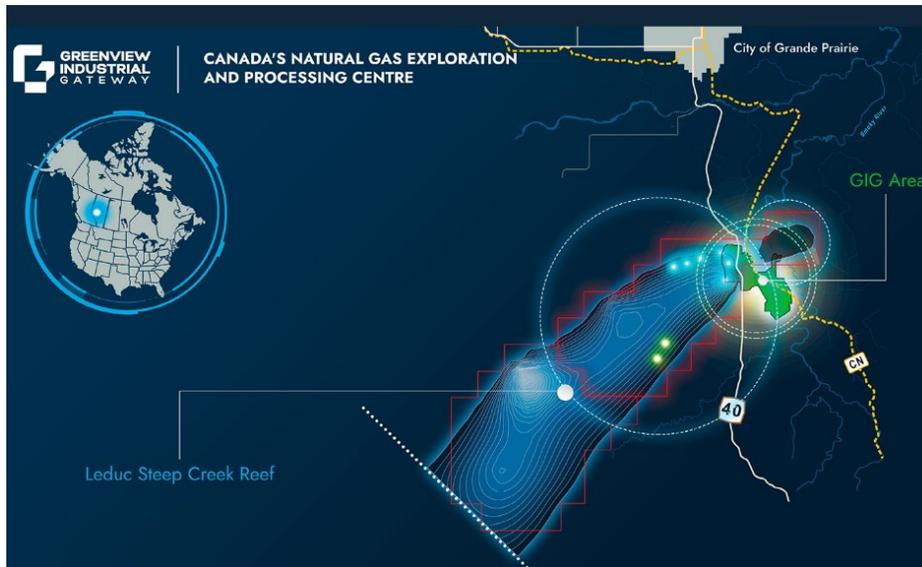
The GIG site will focus on creating a centralized industrial hub to maximize the value from these resources, balancing the opportunity to create jobs and support a strong economy with the global effort to contain carbon emissions.



### Carbon Sequestration Hub

The Leduc Steep Creek Reef is strategically located in close proximity to the GIG and has illustrated enormous potential for the storage and management of carbon. Geological modelling from existing well information indicates good porosity and permeability on the reef fringe, and the dynamic modelling indicates high injectivity for a 30-year period. This ensures safe carbon capture and sequestration, and eliminates the need for a trunk system with additional pipelines and associated costs.

The project is located ~10km southwest from the GIG and encompasses a subsurface area of ~74,000 hectares. The assumed economic life of the project is 44 years from 2022 through to 2065.



The Hub will have a design capacity of 3.0 Mtpa scaling up to 6.0 Mtpa and will be developed in two phases to meet the project development timelines of the additional emitters that join the Hub. Each phase will be based around core elements of infrastructure that include two injection wells, one monitoring well, and a length of pipeline with associated surface facilities that connects the wells. Both the injection and monitor wells will be designed to incorporate monitoring technologies to meet the needs of the measurement, monitoring, and verification (MMV) plan.

### **Value-added services**

This transformational project will create one of the only closed-loop, eco-industrial corridors in Canada, offering a “plug and play” opportunity for manufacturing companies in the energy sector.

With the MD of Greenview as the development authority for the site, investors can also expect expedited timeframes for the permitting process. The result is that companies can be operational much more quickly than with traditional developments.

### **Conclusion**

The GIG is already receiving international interest and inquiries from other heavy industry manufacturers interested in establishing facilities at the site. A dedicated webpage has been established for the GIG, providing a one-stop service for potential investors: [www.greenviewindustrial.ca](http://www.greenviewindustrial.ca)