DEEP SKY

The World’s First Cross-Technology Carbon Removal Project Developer. Deep Sky builds, owns, and operates the infrastructure to reverse climate change.

THE PROBLEM

Deep Sky believes there is an important opportunity in Manitoba to ensure our jobs, health, and homes can continue providing us the quality of life we currently enjoy. By removing excess CO_2, we will protect what matters to us most: **our communities.**

Many industries across Manitoba have a goal to reach net-zero by midcentury (2050). In order to achieve that goal while continuing to grow our economy, it will require the removal and storage of a significant amount of carbon dioxide from the air.

Globally, scientists estimate that up to 10 gigatons of CO_2 will need to be removed annually from the atmosphere by 2050, with potential for increased removal capacity up to 20 gigatons per year by 2100. If we don't meet these targets, it will become increasingly difficult to preserve our livelihood.

DEEP SKY MANITOBA

ECONOMIC IMPACT	
COMMUNITY INVESTMENT	Over $750 million
JOBS CREATED DURING CONSTRUCTION	700-1000
PERMANENT LOCAL JOBS CREATED	50-100
PROJECT DURATION	20 years
AMOUNT OF CARBON CAPTURED PER YEAR	up to 1 million tonnes

DEEP SKY MANITOBA

Deep Sky Manitoba will be Deep Sky's first commercial facility, a state of the art facility where the full carbon lifecycle takes place. Carbon will be captured from the atmosphere and sequestered on site, and high-quality carbon removal credits will be generated for businesses looking to offset their carbon footprint. With the capacity to store up to 1 million tonnes of carbon per year, Deep Sky Manitoba would be the largest carbon removal facility in North America.

Our area of interest in Manitoba offers exceptional potential for geological carbon storage in deep, stable saline aquifers. These geological formations are ideal for the permanent containment of CO_2, as they lie more than two kilometers underground and are protected by impermeable rock layers known as "seal rocks" that keep the CO_2 in place.

In the long term, this major project will not only significantly reduce carbon emissions, but also stimulate the local economy: approximately 700-1,000 jobs will be created during the construction phase and 50-100 permanent positions will be maintained once the facilities are operational.

This initiative aims to position Manitoba as a global leader in the fight against climate change, while contributing to a more sustainable and prosperous future for local communities and for the province as a whole.

WHY MANITOBA

Manitoba is the ideal location for a commercial facility for a number of reasons. Manitoba offers a unique combination of natural resources and geological features that make it ideally suited for large-scale carbon removal. Key advantages include:

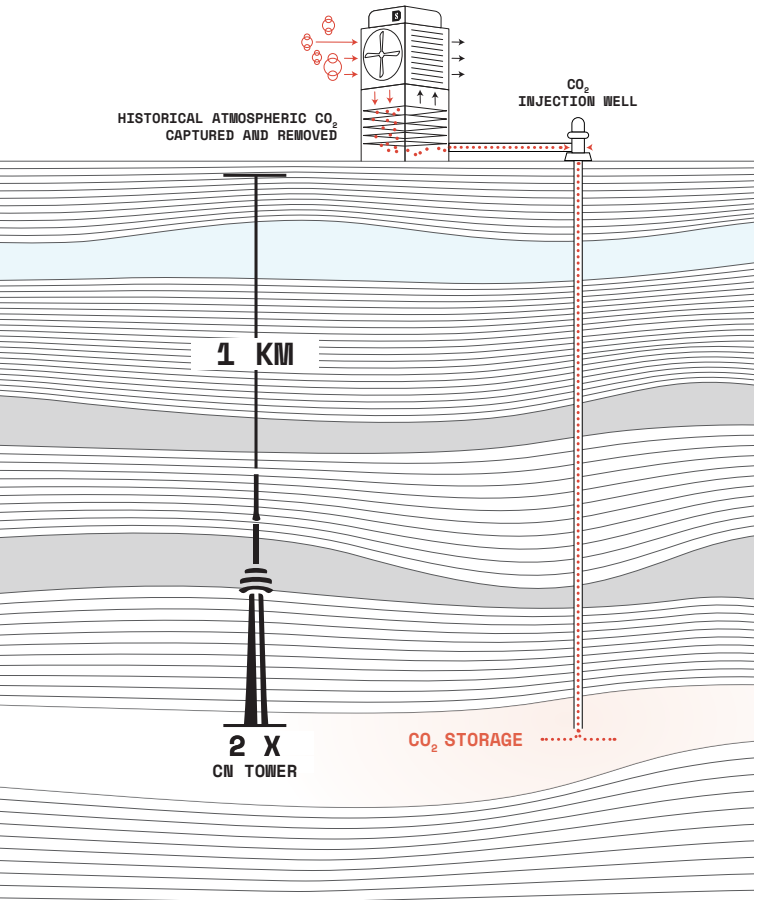
- Abundant renewable hydroelectric power, enabling operations with a minimal carbon footprint.
- Significant wind energy potential, providing additional renewable energy opportunities to support long-term projects.
- Favorable geological composition, including deep and stable sedimentary basins that are ideal for permanent and secure storage of CO_2.
- Manitoba has a specialized workforce in massive industrial infrastructures, who are exceptionally positioned to work in carbon removals.

As we begin engaging with the community, we look forward to building relationships and working together on carbon removal solutions.

ENERGY

In the initial phases of our project, our carbon removal facilities will be powered by Manitoba Hydro's clean hydroelectricity. This ensures we can capture carbon from the atmosphere without generating additional emissions.

SAFETY & ENVIRONMENTAL STUDIES



Carbon removal and storage is safe. The carbon removal process is best described as large, harmless fans that circulate air, capture excess CO_2 molecules, and pushes out cleaner air. It has no impact on the environment or the community. Think of it as an air filter.

Manitoba is building a strong foundation for safe and responsible carbon storage. The province recently introduced the Captured Carbon Storage Act (2024), which creates a clear legal framework for underground CO_2 storage projects. This ensures that all projects are carried out under strict environmental oversight and world-class safety standards.

CO_2 injection and underground storage are proven technologies used safely around the world for decades. The process involves injecting CO_2 deep underground—more than 2 kilometres below the surface—into secure geological formations where it remains permanently trapped. Deep Sky is designing well and surface facilities to maximize safety and proper downhole conditions.

Deep Sky is committed to meeting or exceeding all Manitoba regulations. We work closely with provincial environmental regulators, local municipalities, and independent experts to ensure our projects are safe for communities and the environment.

DEEP SKY'S SOLUTION

Carbon removal is the process of removing carbon from the atmosphere and safely storing it deep underground. This process is crucial for mitigating climate change by offsetting unavoidable emissions and limiting global warming.

Deep Sky is the world's first cross-tech carbon removal project developer aiming to remove gigatons of carbon from the atmosphere and permanently store it underground, back where it belongs. As a project developer, Deep Sky brings together the most promising direct air carbon capture technologies under one roof to bring the largest supply of high quality carbon credits to the market.

With $130M in funding, Deep Sky is backed by Breakthrough Energy Catalyst, Brightspark Ventures, Whitecap Venture Partners, OMERS Ventures, Investissement Québec, Emissions Reduction Alberta, BDC Climate Fund, and more. Deep Sky's business model is to license carbon removal technology and sell carbon credits to companies looking to offset company emissions, including financial institutions, technology companies, airlines, governments, energy companies, and more.

HIRING

Hiring for Manitoba will begin soon. You can stay up to date on opportunities at **deepskyclimate.com/career**

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