



# NRStor Project Spotlight:

## Reducing Diesel Dependence in Remote Communities and Mines

*NRStor and the Hamlet of Arviat are committed to ensuring reliable, ongoing operations and generation of clean energy in the community.*

For Canada's remote communities and mines, reliance on diesel and greenhouse gas emitting power sources is still the norm. Fossil fuel generation used to be one of the only options for powering these hard to reach locations, however, in today's world, clean energy and energy storage is viable and can produce many benefits: Increased power quality and reliability, cleaner air, and safer water. NRStor partners with local Indigenous communities to make these projects a reality and to use clean energy as a catalyst for local economic development.

NRStor has experience as a first mover in successfully deploying emerging technologies to benefit customers while managing logistic and climatic challenges.

### **Arviat, Nunavut: Setting the Standard for Indigenous Community Power Projects**

The Hamlet of Arviat is a remote community located in Nunavut on the Western shore of the Hudson Bay. The community is accessible only by plane and summer barges used to bring in food and supplies, including diesel fuel for power. NRStor has been working with the Hamlet of Arviat to develop a community-centric solution to reduce the Hamlet's dependence on diesel power. Using a technology agnostic approach, NRStor worked with the Hamlet to identify the local energy resource, technology preferences, and economics for owning and operating a renewable energy and energy storage project.

It was determined that a multi-phase project would incorporate wind, solar and energy storage to achieve meaningful diesel reductions in Arviat. NRStor, in partnership with the Hamlet of Arviat, has found solutions to the numerous challenges of working in isolated and harsh environments, including microgrid integration, managing logistics and extreme climates.



## Large Scale Project Eyes Massive Results

Once the project is complete, it is estimated that it will prevent more than 160 thousand tonnes of CO2 emissions, and avoid the burning of 30 million litres of diesel over the next 20 years. In addition to transitioning the community to sustainable energy, the project will incorporate local labour and enable workforce training and development.

## The Power of Partnership

NRStor is focused on building partnerships that continue to add value over the long term. As joint owners of the project, both NRStor and the Hamlet of Arviat are committed to ensuring the project's reliable, ongoing operations and generation of clean energy in the community.

NRStor works to facilitate financing solutions for our projects; we have successfully worked with community partners to secure grant funding enabling community ownership. In addition, NRStor has strong financial backing from investors interested in deploying private sector capital in low carbon infrastructure.

We work with utilities to secure commercial revenue agreements, such as power purchase agreements, for projects.

Canada is going through a process of reconciliation as NRStor builds its clean energy business. NRStor sees its role as a clean energy partner within this context and is committed to building partnerships based on trust and open and honest dialogue.

*Upon completion it is estimated the project will prevent more than 160 thousand tonnes of CO2 emissions over the next 20 years*

## About NRStor

NRStor develops, owns, and operates industry-leading energy storage projects in partnership with progressive stakeholders and leading technology providers.

Contact NRStor today to learn more about our remote energy solutions.

Gord Reynolds  
[greynolds@nrstor.com](mailto:greynolds@nrstor.com)

<http://nrstor.com/>