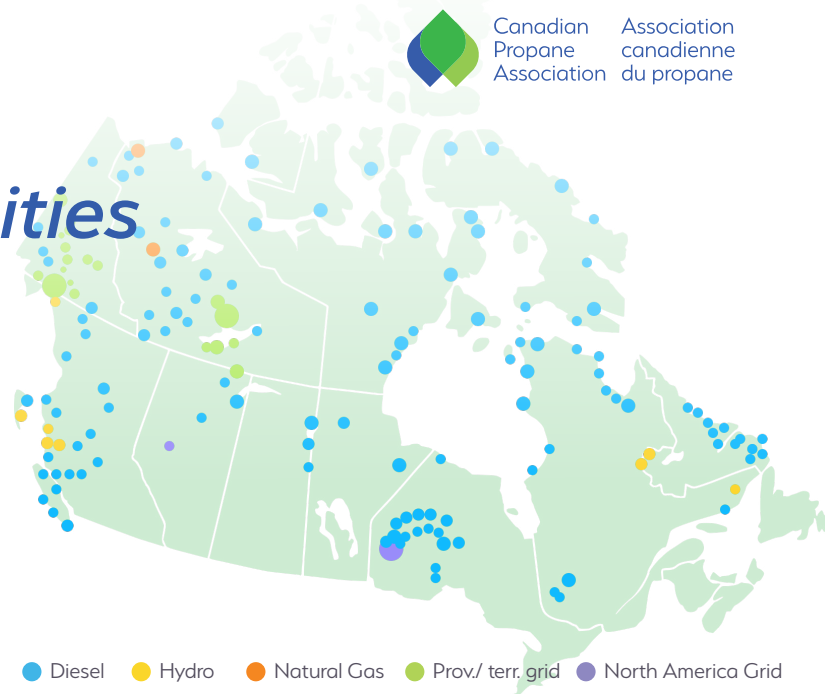


Propane: A cleaner solution for

Indigenous Communities of Canada

There are over 170 Indigenous, remote and Northern communities that are not connected to the electrical grid and natural gas infrastructure. Low-emission, affordable, and reliable propane can and should replace diesel fuel for electricity generation and home heating for these communities to create a healthier environment for future generations.



680 million

Litres of diesel consumed annually for heat and electricity generation in remote communities

\$2.3 million

Estimated environmental liability costs associated with remediation of contaminated sites

It's time to replace diesel

Aging diesel infrastructure brings increased liability and safety issues. Replacing diesel with propane either as a primary or a backup energy source to renewable systems provides communities with affordable, reliable low-emission energy year-round.

\$60.5 million/year

is spent on diesel fuel subsidies in Nunavut alone.

Propane meets unique local needs

Members of the propane industry live in and serve local communities. They bring an understanding of the environmental and physical challenges of delivering to remote areas as well as the unique culture, history, and associated titles and rights of their customers.



Opportunity for an equitable, just, and clean energy future for Indigenous communities

Replacing diesel infrastructure with cleaner energy systems should be co-developed with Indigenous people and be responsive to fundamental community values, needs, and timelines. Developing effective partnerships and local economic opportunities will help build long-lasting energy security in communities.

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Key benefits of propane



Better for the environment:

Emits 98% less particulate matter than diesel and reduces carbon emissions by up to 15%. It does not contaminate the ground in the unlikely event of a spill.



Affordable:

Burns cleaner than diesel, leading to lower maintenance costs and longer engine life, and no associated cleanup costs due to spills, unlike diesel.



Easier storage and transportation:

Can be stored long-term with zero degradation or contamination, keeping equipment dependable and safe.



Reliable performance:

Delivers robust, reliable, and powerful performance with no downtime, even during extreme weather conditions.



Available now and accessible across Canada:


Has one of the most extensive infrastructures across Canada and is ready to go today, with no required additional funding for pipeline systems or technological advancements like other energy options..

A solar-propane hybrid energy system was installed in the remote First Nations community, Xeni Gwet'in in British Columbia's Nemiah Valley, helping residents reduce their reliance on diesel-generated power.



Cost savings and Emission reductions:

Example: 300 resident community
6,827 MW/Year required (based on Canadian average)

	Diesel	Propane 
Capital Cost	\$750,000 (1MW System)	\$1,100,000 (1MW System)
Operational Cost (per year)	\$1,593,505	\$1,411,309
Propane operational savings (per year)		\$182,196
Propane break even time		1.92 Years