arctic

RENEWABLE **ENERGY** CHALLENGES & SOLUTIONS



ESEL IS KING 200 of 280





CANADA

of all diesel fuel use in Canada occurs in Yukon,

67%

long distances between communities mean that Alaskans pay nearly double

the national average for energy **\$/\$\$**

Scarce transportation infrastructure and



Electricity costs have reached peaks

price on a per kilowatt-hour

of over 10 times the average Canadian



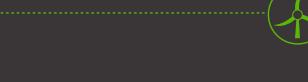




Reducing carbon emissions 62 million pounds a year

TO HELP WIND



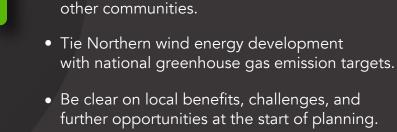


MORE CAN BE DONE









• Don't duplicate work that has already been done - share success stories from







FUNDING for construction

everyone needs more of it.

and built infrastructure is

research funding - and

just as important as

FINANCING & TECHNOLOGY • Co-benefits of sharing energy systems with industrial sites like mines can lower risk and costs. • 100% community ownership can help with 100% community buy-in.

> • Creating school-based technical assistance programming can engage youth and build inclusive maintenance skills simultaneously.

• Look for low cost, innovative solutions to tech issues. Thermal electric heaters like super-heat ceramic bricks that slowly release heat into homes can provide a

battery storage alternative.

BOTTOM LINE: WHAT'S NEEDED?



MORE ACCESS to capital

through public grants,

& green banks.

public private partnerships,

