

GETTING THE NWT OFF DIESEL

CLIMATE CHANGE IS AN EMERGENCY
IT MUST BE TREATED AS SUCH

THINK ABOUT OTHER CRISES, AN EMERGENCY RESPONSE IS:

**EFFECTIVE.
ACTION.
NOW.**

CLIMATE CHANGE 101

Fossil fuels come from carbon that has been buried underground for millions of years.	It is carbon from another era.	IT IS NOT PART OF OUR CURRENT CARBON CYCLE AND BALANCE.
WHEN WE EXTRACT AND BURN THIS CARBON, WE ARE THROWING OFF THE BALANCE.	ALL THIS CO ₂ IS CAUSING A GREENHOUSE EFFECT.	WHICH IS CAUSING OUR CLIMATE TO CHANGE.
HERE, IN THE NORTH, CLIMATE IS WARMING UP TO 3x FASTER	AND THE IMPACTS ARE BEING FELT.	THIS IS A GLOBAL EMERGENCY. EVERYONE MUST SWITCH TO RENEWABLE ENERGY.

BURNING FOSSIL FUELS CAUSES CLIMATE CHANGE

ALARM

FOSSIL FUELS IN BURNED THE NWT

75% INDUSTRY/MINES
25% COMMUNITIES

2017: 450 MILLION LITRES EQUIVALENT TO 7,200+ "DOUBLE B" TANKER TRUCKS

2025: 225 MILLION LITRES EQUIVALENT TO 3,600+ "DOUBLE B" TANKER TRUCKS

WE CAN REDUCE BY 50% STARTING THIS YEAR!

CO₂

HEAVY DUTY DIESEL VEHICLES
AVIATION
COMMERCIAL & INSTITUTIONAL
LIGHT DUTY GASOLINE TRUCKS
PUBLIC ELECTRICITY & HEAT PRODUCTION

MUST BE PART OF THE SOLUTION.

How do we GET the NWT OFF DIESEL?

THE NWT IS NOT LIKE THE REST OF CANADA

LONG DISTANCES
SMALL ENERGY NEEDS
SO TRANSMISSION LINES = \$\$\$

VAST TERRITORY
SMALL ISOLATED COMMUNITIES
REMOTE LOCATIONS MUST BE ABLE TO STORE ENERGY YEAR-ROUND.

NOT ENOUGH SUN YEAR-ROUND
NOT MUCH WIND.

BIO-FUELS ARE THE BEST WAY TO GET 100% RENEWABLE ENERGY IN THE NWT

SURPRISINGLY AFFORDABLE ACTIONS TO HALVE NWT GREEN HOUSE GAS EMISSIONS!

GOLD STANDARD CARBON OFFSETS

In other parts of the world, our money can quickly have tangible impacts.

REDUCTION: 3,600+

\$15M/YR

THIS REDUCES THE TOTAL GLOBAL BURNING OF FOSSIL FUELS. EX: KEROZENE → SOLAR

IMMEDIATE + MOST COST EFFECTIVE

Implementation Timeline

2020: PURCHASE YEARLY
2025: FULLY TRANSITIONED

BEGIN TRANSITION 70% → FULLY OPERATIONAL

INVEST IN CONSTRUCTION 70% → FULLY OPERATIONAL

TRANSMISSION LINES UNDER GREAT SLAVE LAKE & TALTSON EXPANSION.

\$2 to \$3 Billion

Revenue may not cover line maintenance.
May use all funding and leave none for other initiatives.

POTENTIAL??
IF ??? REDUCTION 1,600+

several new big mines open in the next 20 years.

THE GNWT ENERGY PLAN is SLOW + \$\$\$\$ + NOT EFFECTIVE

RENEWABLE DIESEL

Renewable diesel is made from plant oils and animal fat. It can be sustainably sourced in Canada.

REDUCTION: 3,600+

\$65M/YR (TO SUBSIDIZE PRICE DIFFERENCE WITH REGULAR DIESEL)

IT WILL WORK IN ALL MACHINERY THAT CURRENTLY USES FOSSIL DIESEL.

NO CAPITAL COST

DISTRICT HEATING SYSTEMS

Construct biomass and co-generation systems in NWT communities. These will be operated by the GNWT who can also sell the recovered heat.

REDUCTION: 400+

LOCAL INVESTMENT

WOOD PELLETT BOILER BUILDINGS
HOMES

HEAT HEAT

CTO BUILD SYSTEM

\$140M

WE CAN REDUCE BY 50% ... AND THEN MORE!

