Pacific North West Economic Region Summit - July 24-27, 2017
Portland Oregon

REMOTE ENERGY SOLUTIONS
Hon. Wally Schumann
Minister of Infrastructure

Government of the Northwest Territories
Outline

- NWT overview
- NWT access challenges
- Reducing diesel reliance
- Energy Strategy & Climate Change Strategic Framework
NWT Overview

- 44,000 residents
- 33 communities
- Few roads, transmission lines
- Resource driven economy
- 8 hydro power communities
- 25 off-grid (diesel) communities
- Heating from fossil fuels / biomass (wood pellets / cord wood)
NWT Access
NWT Resource Economy

NWT GDP - 2016

- Mining and Oil and Gas Extraction: 24%
- Governments: 16%
- Other: 13%
- Construction: 10%
- Retail and Wholesale: 8%
- Real Estate: 8%
- Transport: 8%
- Health Care: 6%
- Education: 4%
- Finance: 3%
Southern NWT – Mining & Hydro Legacy

Northwest Territories

British Columbia

Alberta
Biomass for Heating

- 30 biomass boilers feeding GNWT Assets installed in last 10 years
- 18% of total GNWT heating use
- 40,000 Tonnes of GHG emission reductions
- GNWT supporting growing biomass heating market across NWT driven by private sector
Reduce Diesel Electricity
Inuvik NWT – Wind Feasibility

- NWT’s Largest Thermal Community (3,500 people)
- Phase II Feasibility underway
- 2-4MW wind project
- 4 km all season road
- Transmission Line

Diagram showing energy sources in Inuvik NWT:
- Wind: 20%
- Natural Gas (LNG): 50%
- Diesel: 30%

Map of Inuvik NWT showing:
- Inuvik
- High Point
- All season road
- Potential transmission line and access corridor
- Airport
2030 NWT Energy & Climate Change Strategy

2030 Energy Strategy

GHG Emission targets

• Heating
• Transportation
• Energy Efficiency
• Electricity

Climate Change Adaptation & Mitigation Plan
THANK YOU!