



arctic development expo
northern realities • northern solutions

2022 INUVIK ENERGY & INNOVATION TOUR

TOUR FORMAT:

The tour will proceed around Inuvik to various locations highlighting energy and efficiency innovations in both commercial and residential facilities.

TOUR START TIME:

Monday, June 13th at 3:00 pm

TOUR PICK-UP LOCATION:

This tour will begin from in front of the Midnight Sun Complex

TRANSPORTATION PROVIDED BY:

TBA

TOUR HOST:

The Inuvik Energy & Innovation Tour will be hosted and guided by Peter Clarkson.

CHILDREN'S FIRST CENTRE

ADDRESS: 210 KINGMINGYA

FEATURE: Solar panels and a biomass boiler were big steps for the Children's First Centre, but a necessary step to reduce energy costs and make it possible to provide affordable early childcare.

GNWT Biomass Boiler Installations

ADDRESS: East 3 School, Inuvik Hospital, Inuvik Airport,

FEATURE: Biomass Boiler and Pellet Silos are now a common site in Inuvik. The GNWT's Department of Infrastructure has installed biomass boilers in several locations. With the increase in biomass boilers this has also created an increase in local business and employment to supply pellets.

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PROJECT EDNA (ENERGY DECREASED NORTHERN ACCOMMODATION)

ADDRESS: 23 Carmichael Drive

FEATURE: Passive Solar Design House built in the summer of 2020 is likely the only 1500 sq ft house in the Arctic that does not have a boiler, furnace or biomass stove as the entire house is heated by a linear natural gas fireplace. The passive solar designed house has a south and west facing orientation which starts heating the house in February as the Arctic sun returns. This house is well insulated with R100 in the ceiling, R64 in the walls and R72 in the floor. 1000 bags of Weather Shield blow-in cellulose insulation, R22 Roxul insulation and R9.5 Enershield ridged insulation were used to get those high R values. Every energy saving and conservation measure available were used to make this house one of the most energy efficient and comfortable houses in the Arctic. The current owners Drs. Patrick LaFleche and Theresa Lee are very pleased with how the house functions and the low utility bills.

NIHTAT ENERGY SOLAR PANEL INSTALLATIONS

ADDRESS: NorthMart, Mackenzie Hotel, ISSF, NTPC

FEATURE: Solar panels and electricity production has grown substantially in Inuvik and the Beaufort Delta in the past 5 years. Nihtat Energy has played a major part in making that happen. The solar panels at NorthMart, the Mackenzie Hotel, Inuvik Satellite Station, 30+ residential installations and more recently the 450 panels for NTPC have all helped make Inuvik the solar panel capital of the NWT.

