



BACKGROUND

APPROVED PROJECTS – GREENHOUSE GAS (GHG) GRANT PROGRAM

The GHG Grant Program is an application-based grant program designed to support GHG emissions reduction projects and initiatives in the Northwest Territories. The program has two streams – the GHG Grant Program for Government and the GHG Grant Program for Buildings and Industry.

The Government of the Northwest Territories (GNWT) has approved six projects under the two streams of this program. A summary of each project is provided in this backgrounder. A summary of all approved GHG Grant Program projects can be found [here](#) and [here](#).

GHG Grant Program for Buildings and Industry

Borealis Development Inc. – The NEST

On October 6, 2022, Borealis Development Inc. was awarded \$600,000 under the GHG Grant Program for Buildings and Industry.

Based in Yellowknife, Borealis Development Inc. is a Northern-based property developer. This group has purchased the Bellanca building located in downtown Yellowknife. Some of its goals are to re-develop the building into *The Nest* – an apartment style building including affordable housing.

The grant will help fund the installation of a new 720-kilowatt biomass-fired boiler to cover approximately 70 per cent of the required heating capacity and domestic hot water heating at the Bellanca building. There will also be an upgrade to the building's heating, ventilation and air conditioning system to meet the needs required for the biomass boiler.

This project is expected to reduce 476 tonnes of carbon dioxide equivalent (CO₂e) annually. The new system is expected to reduce oil use by approximately 173,000 litres per year.

Total cost of the project is expected to be \$3.2 million, with approximately 19 per cent (\$600,000) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.



NWT Brewing Company Ltd. – Carbon Capture and Utilization Project

On April 13, 2023, The NWT Brewing Company was awarded \$33,800 under the GHG Grant Program for Buildings and Industry.

The grant will help purchase and install an Earthly Labs CiCi Teak System for carbon capture and utilization. This system will capture carbon dioxide (CO₂) that is released during the beer fermentation process. The system can then reuse that captured CO₂ in the beer manufacturing process. This will reduce the need to import commercial CO₂ into the territory.

This project is expected to reduce approximately 29.5 tonnes of CO₂e. annually. The majority of GHG reduction is stemming from reduced need to import beer and commercial CO₂ into the territory. Beyond the GHG emission reductions, the company also thinks the installation of a CiCi Teak system will allow it to increase capacity to produce beer.

Total cost of the project is expected to be \$135,200 with approximately 25 per cent (\$33,800) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.

GHG Grant Program for Government

Deh Cho First Nations – Edézhzhíe Solar Project

On October 12, 2022, the Deh Cho First Nations were awarded \$81,153 under the GHG Grant Program for Governments.

The project involves installing solar and battery storage at off-grid cabins within the Edézhzhíe protected areas. These community cabins are gathering locations for local land guardians. The Deh Cho First Nations are dedicated to reducing the carbon footprint of these facilities.

The systems will include 4,380-watt solar panels and a 10.24-kilowatt hour battery system. This project is expected to reduce up to 10 tonnes of CO₂e annually and approximately 3,700 litres of diesel used for power generation by per year.



Total cost of the project is expected to be approximately \$108,205, with 75 per cent (\$81,153) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.

Łíídlı́ Kúé First Nation – On-the-land Camp Solar and Wind Project

On September 8, 2022, the Łíídlı́ Kúé First Nation was awarded \$77,105 under the GHG Grant Program for Governments.

The project involves installing a small scale solar and wind power generation system at an off-grid on-the-land camp in the Deh Cho region. The Łíídlı́ Kúé First Nation is committed to reducing the carbon footprint of this facility.

The project will include installing 5,440-watt solar panels, three-kilowatt wind turbines and a 40-kilowatt hour battery storage system at the camp site.

This project is expected to reduce up to 14 tonnes of CO₂e annually and approximately 5,200 litres of diesel used for power generation per year.

Total cost of the project is expected to be approximately \$102,807, with 75 per cent (\$77,105) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.

6133 NWT Ltd. – Revitalization of the Yellowknife Post Office Building:

On March 10, 2023, 6133 NWT Ltd. (51 per cent owned by Denendeh Investments Inc.) was awarded \$300,000 under the GHG Grant Program for Governments.

The project involves retrofitting the main post office building in Yellowknife with a 60-kilowatt wood pellet biomass-fired boiler and a heating, ventilation and air conditioning system upgrade.

This project is expected to reduce up to 70 tonnes of CO₂e annually and reduce approximately 25,000 litres of heating oil use per year.

Total cost of the project is expected to be approximately \$720,000 with 42 per cent (\$300,000) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.



Department of Industry, Tourism and Investment (ITI) – North Arm Territorial Park Campground Electrification

On April 20, 2023, ITI was awarded \$255,000 under the GHG Grant Program for Governments.

ITI would like to connect a new campground at the North Arm Territorial Park onto the Snare hydropower grid, which will eliminate the need to use fossil fuel electricity generators at the campground. The campground includes 15 camp sites and one gatehouse and is located near the community of Behchokò.

This project is expected to reduce 34 tonnes of CO₂e annually. It is estimated that providing hydropower to the camp sites and gatehouse will reduce approximately 15,000 litres of gasoline per year used by personal generators.

Total cost of the project is expected to be \$839,500, with approximately 30 per cent (\$255,000) being covered by the GHG Grant Program. This project is scheduled to be complete by the spring of 2024.