



BACK RIVER PROJECT
Back River Project Renewable Energy Centre
Stakeholder Engagement Update

September 2023

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1. Introduction

As part of the strategy to advance the Back River Project ('Approved Project') in a sustainable and financially responsible manner, B2Gold Back River Corp. ('B2Gold Nunavut' or the 'Company') has identified a modification that will reduce consumption of non-renewable fuel sources. The proposed location of the Modification lies on Inuit Owned Land (IOL) within the established Goose Property Area Commercial Lease. The final footprint of modification facilities may shift within the Modification Potential Development Area (PDA) as further geotechnical investigations are undertaken and the design is finalized. The Modification PDA makes allowance for potential relocation of certain facilities within its boundaries. The schedule for development and construction of these components is currently planned for the late Construction and/or early Operations Phase of the Approved Project.

The proposed Modification to the Approved Project is the addition of the Back River Project Energy Centre, a wind generation facility, solar panel array and Battery Energy Storage System (BESS) capable of generating approximately 59 megawatts (MW) of renewable energy with battery storage capacities of 50 megawatt-hours (MWh). The Modification will be developed with planned involvement of an Inuit partnership and an established renewable energy company to supply clean energy to the Goose Property Area of the Approved Project.

The Modification will use a planned 13 Wind Turbine Generators (WTGs), each with a nominal power capacity between 4 and 4.5 MW, giving the system a generation capacity of approximately 55 MW of electricity. Each WTG will have a rotor diameter of approximately 138 m with a hub height of approximately 81 m, resulting in a combined height of approximately 150 m. The size of the WTGs selected will be minimized to the extent possible to reduce potential effects on sight lines, noise, and disturbance, while ensuring capacity to generate an adequate power supply to support operations of the Approved Project.

Since the introduction of the Project Modification, the Company has continually engaged regulators, Kitikmeot communities, and the Kitikmeot Inuit Association ('KIA'). In September 2023, the Company also engaged the Athabasca Denesūliné Né Né Land Corporation ('ADNLC').

The following provides an update on stakeholder engagement activities conducted by the Company since September 2022 as related to this Project Modification. This information is supplemental to the information contained in Section 1.9, "Community Engagement, Traditional Knowledge, and Socio-Economic Monitoring Overview", of the original Modification Package as submitted to the Nunavut Planning Commission ('NPC') and Nunavut Impact Review Board ('NIRB') in July 2022.

In addition to the updates captured in this document, B2Gold Nunavut continues to hold productive discussions with the KIA, the Government of Nunavut, and the Government of Canada to continue work to resolve outstanding technical comments. The Company would like to thank all Parties to this process for the ongoing willingness to work with the Company to improve the proposed Modification.

2. Engagement Activities Overview

The following tables provide a listing of engagement activities carried out since 2022 as related to this Project Modification.

DATE	GROUP/COMMUNITY	NOTES
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Back River Project Renewable Energy Centre Engagement Update

5/11/2022	Project Update for Crown-Indigenous Relations & Northern Affairs Canada	Included discussion of the Back River Energy Centre Project Proposal
5/18/2022	Project Update with Hamlet of Cambridge Bay officials	Included discussion of the Back River Energy Centre Project Proposal
6/30/2022	Project Update Meeting with Kitikmeot Region Members ¹ of the Legislative Assembly	Included discussion of the Back River Energy Centre Project Proposal
09/26/2023-09/30/2023	2022 Kitikmeot Community Information & Human Resources Tour	Visits to Kitikmeot communities ² to provide a Project update, including presentation related to the Back River Energy Centre Project Proposal
09/26/2023	Meeting with Kugluktuk Hunters and Trappers Organization	Included discussion of the Back River Energy Centre Project Proposal
11/14/2022	Yellowknife Geoscience Forum Presentation	Included presentation of the Back River Energy Centre Project Proposal
1/22/2023	Nunavut Impact Review Board	Included discussion of the Back River Energy Centre Project Proposal
1/24/2023	Department of Economic Development & Transportation, Government of Nunavut	Included discussion of the Back River Energy Centre Project Proposal
1/25/2023	Kitikmeot Inuit Association Staff	Included discussion of the Back River Energy Centre Project Proposal
2/19/2023	Residents of Bathurst Inlet and Bay Chimo	Included discussion of the Back River Energy Centre Project Proposal
2/20/2023	Project Update with Hamlet of Taloyoak Senior Administrative Officer	Included discussion of the Back River Energy Centre Project Proposal
2/24/2023	Kitikmeot Inuit Association President, Cambridge Bay Community Director, and Staff	Included discussion of the Back River Energy Centre Project Proposal
2/24/2023	Stakeholder Meeting - Cambridge Bay Elders	Meeting with Cambridge Bay Elders. Included discussion of the Back River Energy Centre Project Proposal

¹ Hon. Pamela Gross, MLA Cambridge Bay, was not in attendance.

² Due to weather issues, the B2Gold team was unable to make it to Taloyoak during the 2022 Community Tour.

Back River Project Renewable Energy Centre Engagement Update

5/08/2023	Hon. Pamela Gross, MLA Cambridge Bay	Included discussion of the Back River Energy Centre Project Proposal
5/24/2023	Mayor of Kugluktuk	Included discussion of the Back River Energy Centre Project Proposal
6/19/2023- 6/23/2023	2023 Kitikmeot Community Information & Human Resources Tour	Visits to Kitikmeot communities to provide a Project update, including presentation related to the Back River Energy Centre Project Proposal
7/16/2023 – 7/17/2023	Back River Project Inuit Environmental Advisory Committee (Inaugural Meeting)	Included discussion of the Back River Energy Centre Project Proposal
7/24/2023	Office of the Minister of Crown-Indigenous Relations and Northern Affairs	Included discussion of the Back River Energy Centre Project Proposal
8/15/2023	Kitikmeot Members of the Legislative Assembly of Nunavut & Sen. Dennis Patterson ³	Included discussion of the Back River Energy Centre Project Proposal
8/20/2023	Kitikmeot Inuit Association	Technical comment discussion of the Back River Energy Centre Project Proposal
8/31/2023	Transport Canada	Technical comment discussion of the Back River Energy Centre Project Proposal
9/05/2023	Crown Indigenous Relations and Northern Affairs Canada	Technical comment discussion of the Back River Energy Centre Project Proposal
9/06/2023	Health Canada	Technical comment discussion of the Back River Energy Centre Project Proposal
9/08/2023	Athabasca Denesųtiné Né Né Land Corporation	Virtual meeting to discuss Back River Energy Centre Project Proposal

³ Hon. Pamela Gross, MLA Cambridge Bay, was not in attendance

3. Select Detailed Engagement Updates

The following provides more detailed updates on select engagements noted in the table above (i.e. Section 2 of this report). The engagements selected reflect various meetings with the public, the Back River Project Inuit Environmental Advisory Committee ('IEAC'), and ADNLC. For information on engagement activities conducted prior to September 2022 on this topic, please see the original Modification Package as submitted to the NPC and NIRB in July 2022.

A. PUBLIC MEETINGS- 2022 & 2023 COMMUNITY TOURS

From September 26-30, 2022, the Company held its first annual community tour since the lifting of COVID-19 related travel restrictions. B2Gold Nunavut team members were able to visit all Kitikmeot communities except for Taloyoak⁴ due to weather related travel issues. The Company provided a general Project update, held a recruitment campaign, and discussed Project Modification. A public presentation was developed and delivered in each community several times which included information about the Project Modification. Presentation materials can be found in Appendix A.

The following year, from June 19-23, 2023, the Company held another scheduled annual community tour. The same activities were repeated from 2022 with the addition of a resume writing help desk, and inclusion of detailed posters in addition to presentation materials related to the Project Modification. Posters & presentation materials can be found in Appendix A.

The following provides an overview of comments and questions the Company received during the 2022 & 2023 Community Tours as related to the Project Modification.

General questions and comments focused on the overall role of wind and solar energy and how they will serve the Project. Questions and comments also touched on existing regulatory restrictions on independent power producers, B2Gold's experience with operating wind turbines, and whether other mining projects will be installing similar alternative energy infrastructure. More specific questions were raised about the proposed location of the turbines and solar panels, the logistics of transporting both the turbines themselves and the power they will generate, the number of turbines required and the amount of power they will produce, and whether the wind turbines and solar panels will be designed to withstand Nunavut's weather.

Furthermore, questions were raised about the fate of the facility in the event of mine closure, as well as concerns about the safety and stability of the turbines and whether there are contingencies in place in the event of equipment failure. Community members also asked about plans for safe containment of storage batteries. There were questions about the noise that is likely to be produced by the Modification, as well as concerns about the potential impact of wind turbines on birds and caribou. Finally, community members asked about potential opportunities for Inuit to receive training or form business partnerships related to the installation, operation, and maintenance of the Energy Centre.

Example questions and comments raised during community tours include:

- *What is the wind energy project?*
- *How can solar energy play a bigger role in Back River?*
- *How will the power get from the turbines to the mine?*

⁴ A rescheduled visit to Taloyoak was held in February 2023.

- *Will the wind turbines be stable?*
- *How much noise do the wind turbines generate?*
- *Are they proposing to shut down the turbines during [caribou] calving and post-calving season?*
- *Have you done any studies around your proposed wind power area on birds?*
- *Are there any opportunities with your renewable energy project to work with communities and businesses to train on installation, or share engineering costs with a local community project not at the mine site?*

B. BACK RIVER PROJECT INUIT ENVIRONMENTAL ADVISORY COMMITTEE

B2Gold Nunavut and KIA signed the Back River Inuit Impact & Benefit Agreement (IIBA) in 2018. Per Article 7 and Schedule 7.1, B2Gold is to work with the KIA to nominate members to serve on the IEAC for the Back River Project.

Project Certificate No. 007 as issued by the NIRB also requires B2Gold Nunavut to establish and report on the activities of the IEAC, as outlined in Term and Condition No. 79.

The Company, KIA, and IEAC members met for the first time in Yellowknife and at Project sites June 16-17, 2023. As part of the Committee's inaugural meeting, the Company provided an overview of the Back River Renewable Energy Centre and discussed the proposed Construction and Operation phases of the Project in detail. Presentation materials can be found in Appendix B.

Following presentation and discussion on the Project Modification, IEAC members unanimously voted to submit a letter of support for the Back River Renewable Energy Centre to the NIRB. That letter can be found in Appendix B.

The following provides an overview of the comments and questions the Company received during the IEAC meeting related to the Project Modification.

Meeting attendees asked about the size and number of batteries required for wind and solar power storage, and about the number of turbines required to produce sufficient energy for the Project. One attendee commented on the importance of noise reduction and asked what is involved in ramping down turbines when animals are present.

Comments and questions raised during the IEAC meeting include:

- *How many batteries and what size will they be?*
- *Why apply for 13 wind turbines if you don't think you'll need that many?*
- *I think you are on the right track with this Energy Centre. This is a good idea to reduce noise. When we travel near Hope Bay, we can hear the Project from about 15 miles away.*
- *Can you confirm what you mean by ramping down the turbines if animals are present? Does this mean shutting down?*

C. ATHABASCA DENESŪLINÉ NÉ NÉ LAND CORPORATION

The Company sent an email meeting request to the Athabasca Denesŭliné Né Né Land Corporation (ADNLC) on August 17, 2023 proposing a meeting to discuss the Project Modification, and ADNLC technical comments and Company responses to-date. A virtual meeting was scheduled and held on September 8, 2023.

Back River Project Renewable Energy Centre Engagement Update

B2 Gold Nunavut shared an overview presentation which provided an overview of the Back River Renewable Energy Centre. Presentation materials can be found in Appendix B. Following the overview portion of the Presentation, the Company and ADNLC discussed submitted technical comments and B2Gold Nunavut responses to them to date.

At the conclusion of the meeting, B2Gold Nunavut was requested to provide some additional background information pertaining to the Approved Project and related caribou mitigation measures.

Appendix A

Back River Project

Kitikmeot Community Information and
Human Resources Tour

September 2022



Sabina

GOLD & SILVER CORP.



Umwelt Underground Portal with camp and laydown area in
background

Forward Looking Information

Statements relating to our belief as to the results of development studies, timing of receipt of necessary authorizations and licenses, the availability of project financing, the timing of the start of construction and the first gold pour, and the results of further optimization studies to the UFS, the potential tonnage and grades and contents of deposits and the potential production from and viability of Sabina's properties are forward looking information within the meaning of securities legislation of certain Provinces in Canada. Forward looking information are statements that are not historical facts and are generally, but not always identified by the words "expects," "plans," "anticipates," "believes," "intends," "estimates," "projects," "potential," "opportunities," and similar expressions, or that events or conditions "will," "would," "may," "could," or should occur. The forward looking information is made of the date of this presentation. This forward looking information is subject to a variety of risks and uncertainties which could cause actual events or results to differ materially from those reflected in the forward looking information, including, without limitation: the effects of general economic conditions; changing foreign exchange rates; risks associated with exploration and project development; the calculation of mineral resources and reserves; risks related to fluctuations in metal prices; uncertainties related to raising sufficient financing to fund the planned work in a timely manner and on acceptable terms; changes in planned work arising from weather, logistical, technical or other factors; the possibility that results of work will not fulfill expectations and realize the perceived potential of the Company's properties; risk of accidents, equipment breakdowns and labour disputes; access to project funding or other unanticipated difficulties or interruptions; the possibility of cost overruns or unanticipated expenses in the work program; title matters; government regulation; obtaining and receiving necessary licenses and permits; the risk of environmental contamination or damage resulting from Sabina's operations and other risks and uncertainties including those described in Sabina's annual information form for the year ended December 31, 2021 available at www.sedar.com

Forward looking information is based on the beliefs, estimates and opinions of Sabina's management on the date the statements are made. Sabina undertakes no obligation to update the forward-looking information should management's beliefs, estimates or opinions, or other factors, change, except as required by applicable law

Back River Overview

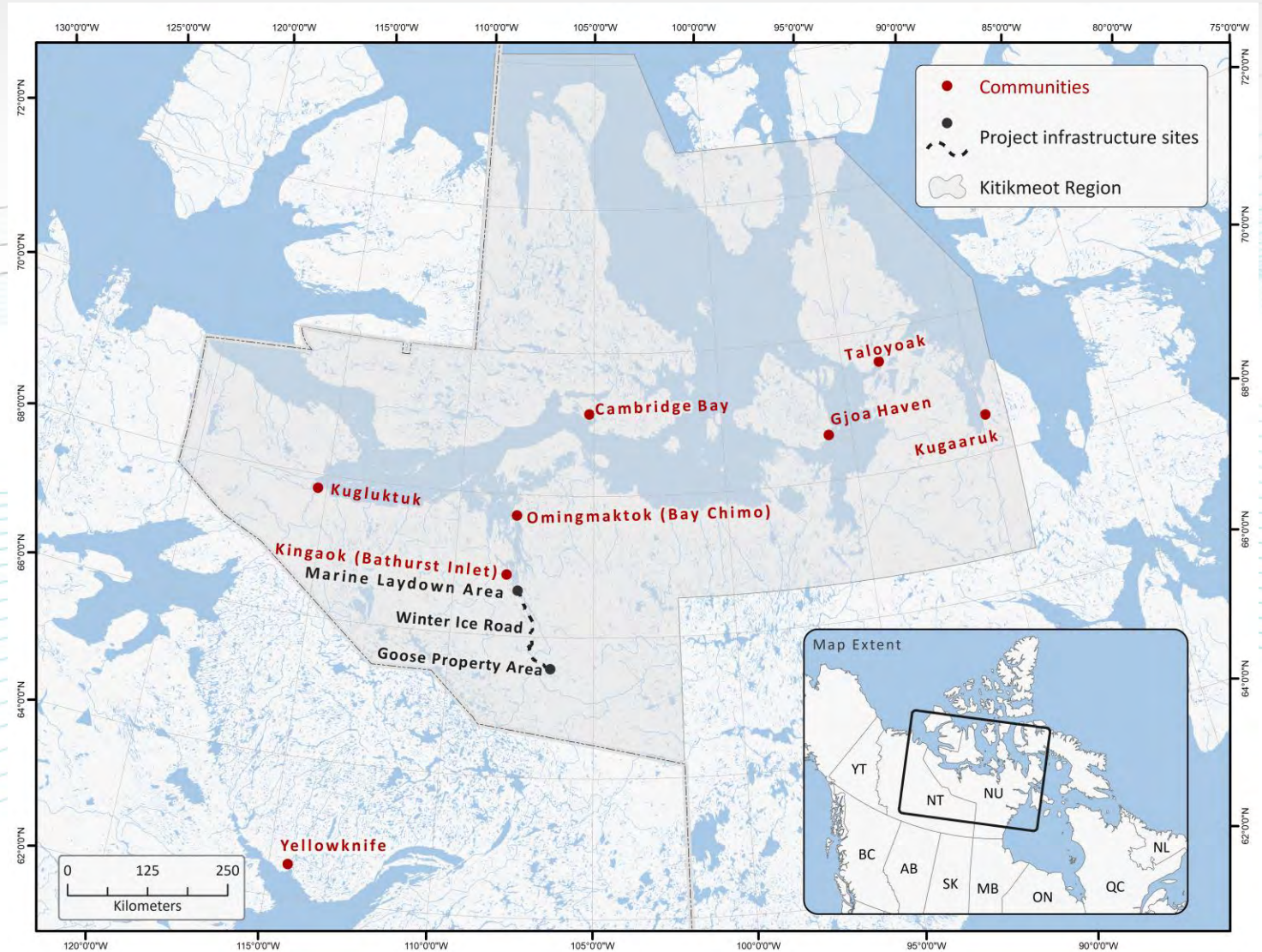
Project is comprised of:

- Goose Property
- Port and Marine Laydown Area
- ~170km Winter Ice Road

Open pit and underground mining:

- 4,000 tonnes/day
- 15 years of production
- 223,000 oz/year of gold

First Gold – Q1, 2025



Back River: A District Scale Gold Belt

5 mineral claim blocks
on the 80km belt

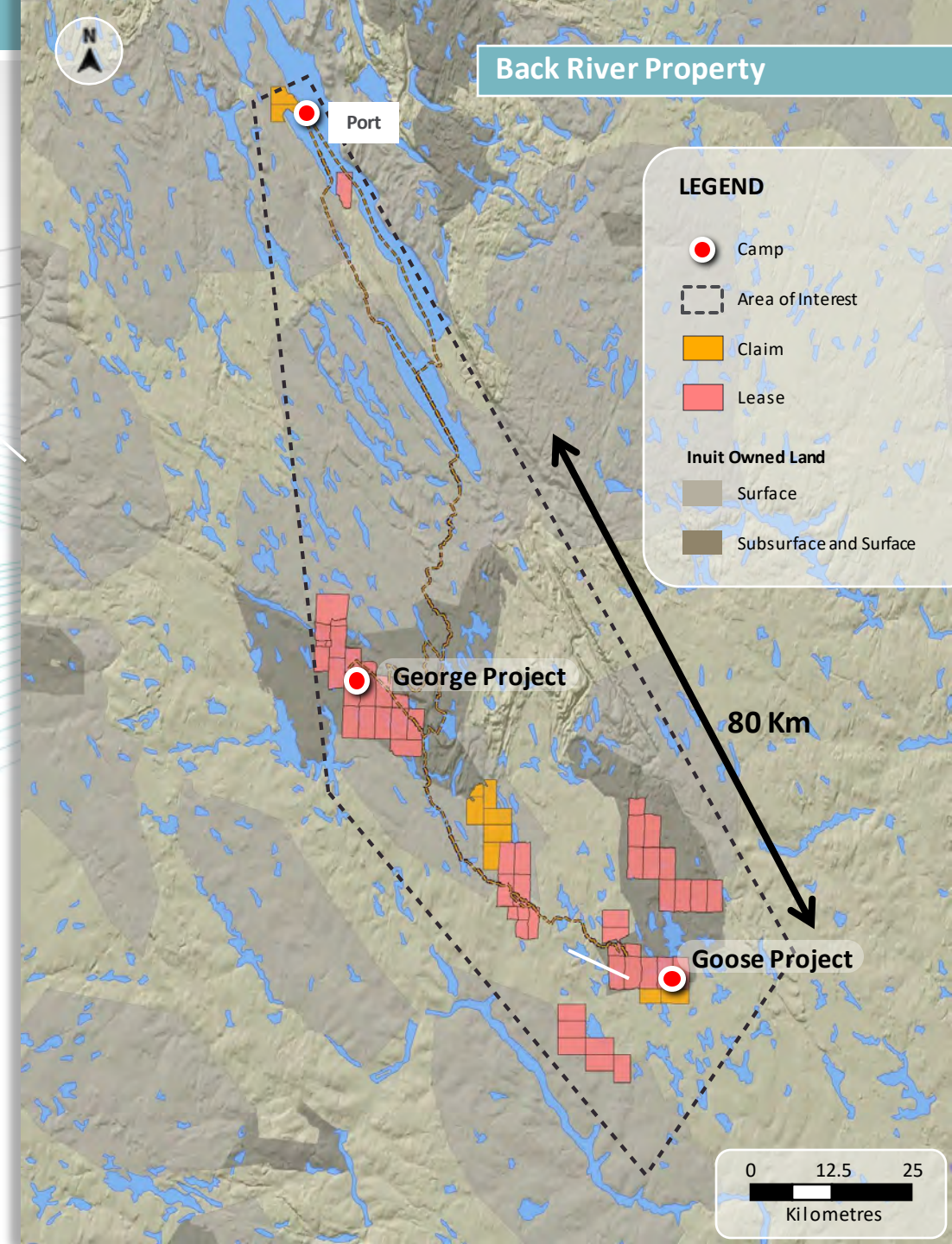
Most advanced is
Goose – initial mine –
8km of iron formation

Second most advanced
is George – 50 km from
Goose Mine

Significant resources at
Goose outside of the
feasibility study offer many
years of extended mine life
with all deposits still open

Goose infrastructure will serve the rest of the belt.

Exploration focus will next turn to George and eventually the
rest of the district for multigenerational mining opportunities.



Goose Mine Overview

Back River is a multi-generational Canadian mining district owned 100% by Sabina

The first mine (Goose) is fully permitted

Significant infrastructure in place, logistics built and tested, and detailed engineering largely complete

Set to produce ~250k oz Au over 15 years via open pit and underground

Established large high-grade reserves and resources with all deposits open and 80km belt mostly unexplored



Three-year construction period with First Gold planned for Q1, 2025

2022 – Procure and position balance of equipment for 2022 sealift

2023 – Full construction begins

2024 – Balance of installation, implementation and commissioning

Q1, 2025 – First Gold

Project Progress Being Made...

No requirement for above ground tailings storage facility – exhausted pits used for tailings

On mill start-up, 2 years of mill feed stockpiled providing flexibility

Mill and processing equipment sourced and purchased

Two 10-million-liter fuel tanks constructed (Port and Goose)

Pads complete for permanent camp, plant and fuel storage



Goose plant site, fuel tank and spur road to Llama pit – July 2022

Project Progress Being Made...

Multiple supply route options from east and west.
Equipment brought to Port in summer months and
stored until winter for transit on Winter Ice Road

Combination of barges and
ships successfully delivered
and offloaded ahead of
schedule in 2021 (including
fuel transfer)

Approx. 25,000 m² of
additional laydown
area created in 2021

**Preparation underway for 2022 sealift-
5 Barges, 2 Sealift Vessels, and
1 Fuel Tanker expected between
August-September 2022**



Fuel containment area being prepared at port
site with first sealift ship arriving August 2021

2022 Activities

Procure & sealift critical path items for 2023 construction season

Final phase of accommodation complex (250 units) completed

Steel & cladding for screen, dome, crusher buildings, gold room & powerhouse

Multiplate steel tunnels for crushed ore reclaim

Construction equipment for foundation installation & building erection

Major equipment for process plant & powerhouse and truck shop equipment

Balance of OP mining fleet for 2023 activities



2021 Sealift – Fuel trucks heading for shore

2022 Activities

Construction & Engineering

Complete civil works
at plant site

Expansion of fuel
storage berms at
Goose & Port

Continued
construction of
Underground
exploration ramp at
Umwelt

Begin construction of
water management
structures

Detailed engineering of
water management
structures (primary
pond, Echo & Umwelt
diversion berms)

Esker haul for sub-
base prep along
Winter Ice Road route
improving future
builds



Goose Exploration Camp and Airstrip

Community & Partnership Focus

Regional wealth creation initiative – creating jobs outside of the mining industry – new precedent in Nunavut

Ongoing engagement with communities and organizations ~ 400 meetings to date

Working to establish IIBA Implementation Committee and Inuit Environmental Advisory Committee

New Stakeholder Grievance System implemented
grievance@sabinagoldsilver.com



Feast Celebrating Back River Project IIBA

Project Achievements & Opportunities

13.5% Inuit workforce
in 2022 (Jan-June)

\$45.2 million in
contract spend with
northern businesses
since 2020

Over \$9.2million in
payroll since 2020

Since 2011, donated
over \$344,000 to
Kitikmeot Region
causes and initiatives

Advanced studies in
alternative energy
opportunities (wind &
battery)

Geologists heading into underground portal



Issues We've Investigated and Addressed

Atmospheric Environment

Air quality
Climate and meteorology
Noise and vibration

Freshwater Environment

Freshwater fish and aquatic habitat
Freshwater fish community
Freshwater sediment quality
Freshwater water quality
Groundwater
Hydrology
Limnology and bathymetry

Human Environment

Archaeological sites
Business opportunities

Country foods
Economic development
Education and training
Employment
Health and community well-being
Human health and environmental risk assessment
Non-traditional land and resource use
Paleontological sites
Subsistence economy and land use

Marine Environment

Marine fish and aquatic habitat
Marine fish community
Marine sediment quality
Marine water quality
Physical processes

Ringed seals
Seabirds and sea ducks

Terrestrial Environment

Caribou
Geology
Grizzly bear
Landforms and soils
Migratory birds
Muskox
Permafrost
Raptors
Vegetation and special landscape features
Wolverine and furbearers

Key Mitigation and Management Measures We've Developed

Environmental

Environmental Management Plan
Environmental Protection Plan
Risk Management and Emergency Response Plan
Fuel Management Plan
Spill Contingency Plans
Oil Pollution Emergency Plan
Site Water Monitoring and Management Plan
Ore Storage Management Plan
Mine Waste Rock Management Plan
Waste Management Plan
Incineration Management Plan
Hazardous Materials Management Plan
Explosives Management Plan
Road Management Plan
Shipping Management Plan
Borrow Pits and Quarry Management Plan
Air Quality Monitoring and Management Plan

Noise Abatement Plan

Aquatic Effects Management Plan
Wildlife Mitigation and Monitoring Program Plan
Conceptual Fish Offsetting Plan
Tailings Management Plan
Vegetation Monitoring Plan
Conceptual Fish-Out Plan
Mine Closure and Reclamation Plan

Social

Human Resources Plan
Business Development Plan
Community Involvement Plan
Socio-Economic Monitoring Plan
Occupational Health and Safety Plan
Cultural and Heritage Resources Protection Plan

Monitoring Updates

2021 NIRB Annual Report:

- Pre-Construction Wildlife Mitigation and Monitoring Program Report
- Socio-Economic Monitoring Report
 - COVID-19 significantly impacted Inuit employment at the Project
 - 436 individuals worked on the Project, including 13 Inuit (5.6% of total hours worked)
 - \$89.1 million in expenditures made to 347 businesses, including \$25.0 million (or 8.1%) to 15 Kitikmeot Qualified Businesses
- Responses provided to all reviewer comments (e.g. KIA, Government of Nunavut, Government of Canada)

Other Updates:

- Stakeholder Grievance Mechanism
- Future Inuit Employee Survey



Recent Community Feedback

Sabina will continue tracking community feedback on the Project:

- Through community engagement and NIRB process
- Community engagement database
- Monitoring reports and adaptive management
- Substantial feedback has already been integrated into Project design

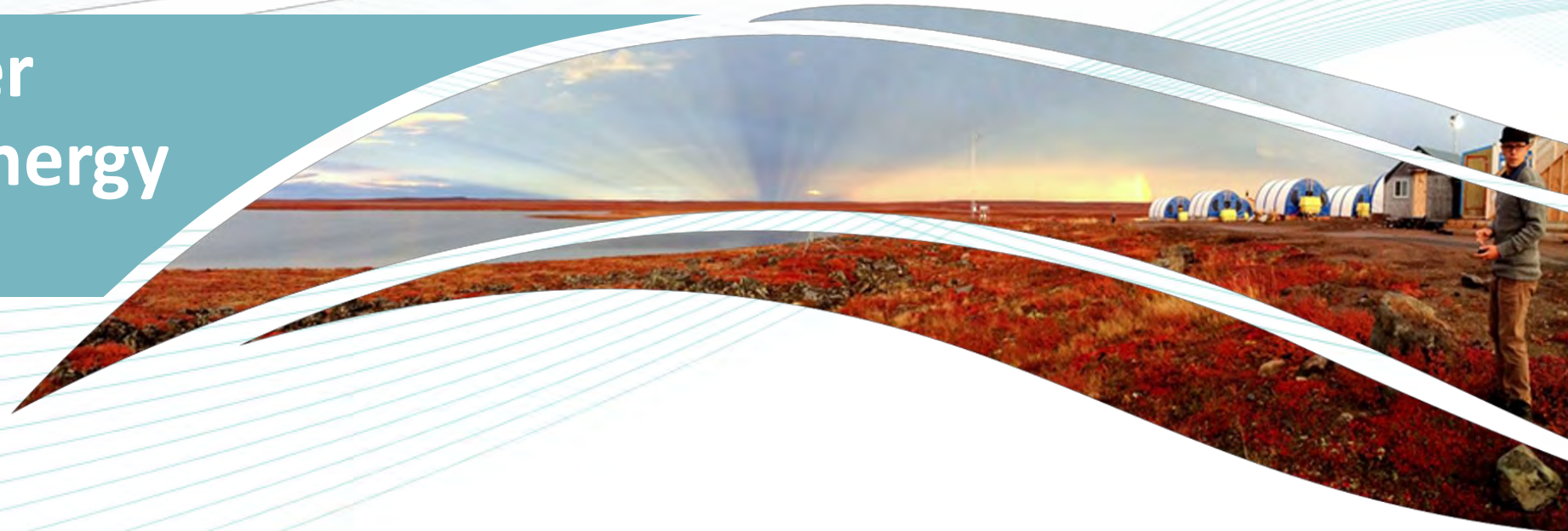
Recent feedback:

- COVID-19 has resulted in reduced opportunities for community engagement
- Strong desire for employment opportunities persists
- Requests made for community support

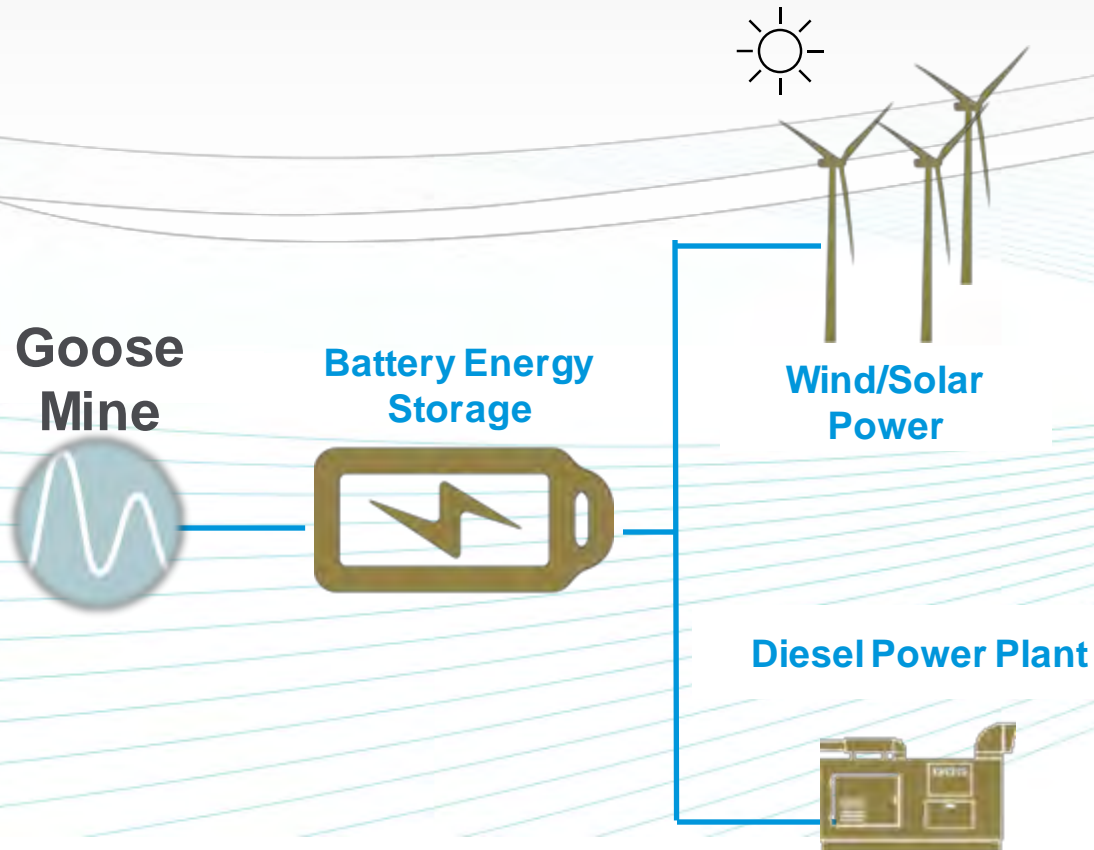
Feedback can be provided directly to Sabina or through NIRB's monitoring process



Back River Renewable Energy Centre



Goose Mine is Considering a Hybrid Energy System



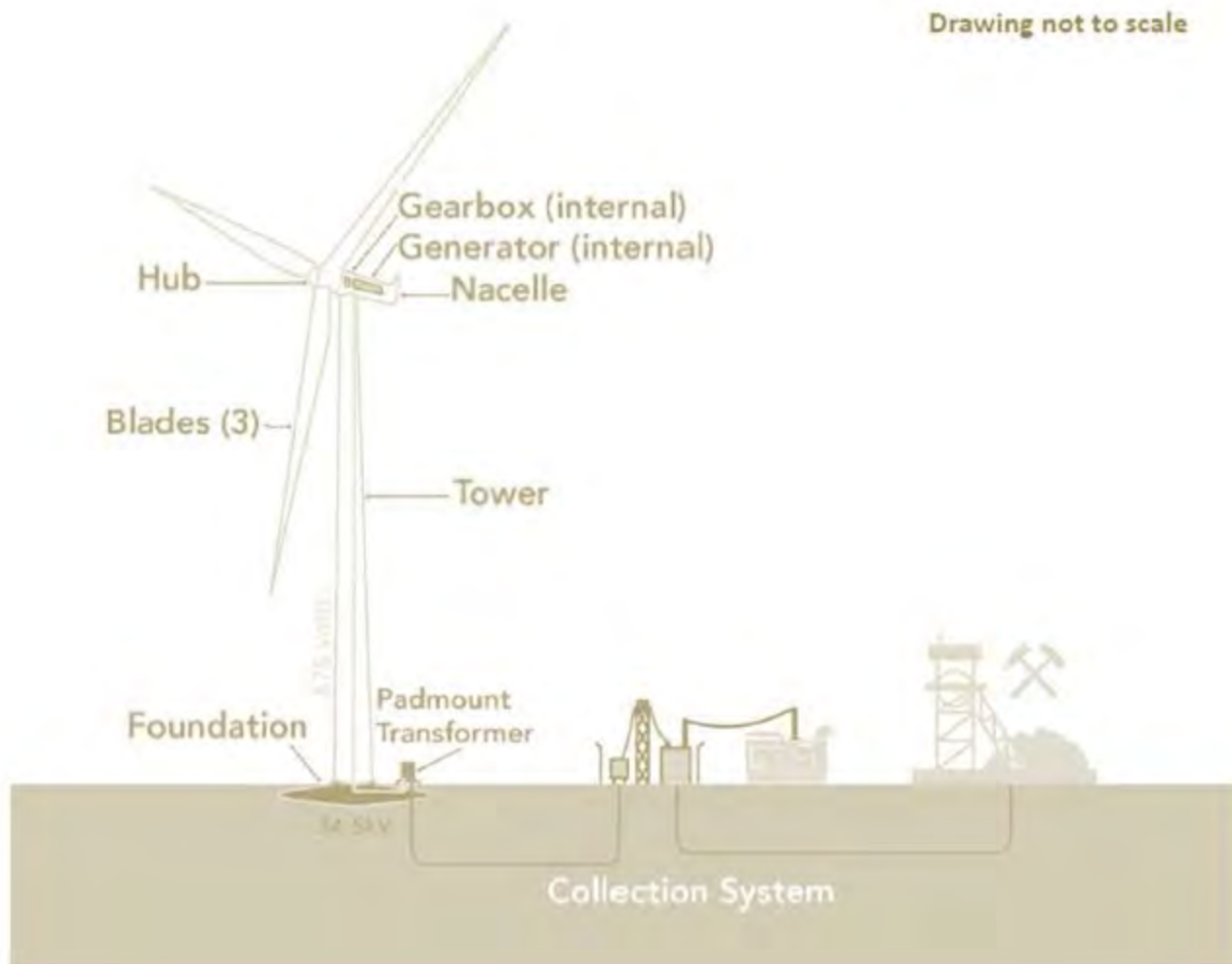
- Current power generation supply in Nunavut is diesel-based
- Wind/solar power are proven reliable energy sources and could be the primary power generation technology for the Goose Mine
- Battery energy storage enables much higher deployment of renewables
- Provides integration with diesel generation

Why Are We Considering a Renewable Power-Based System?



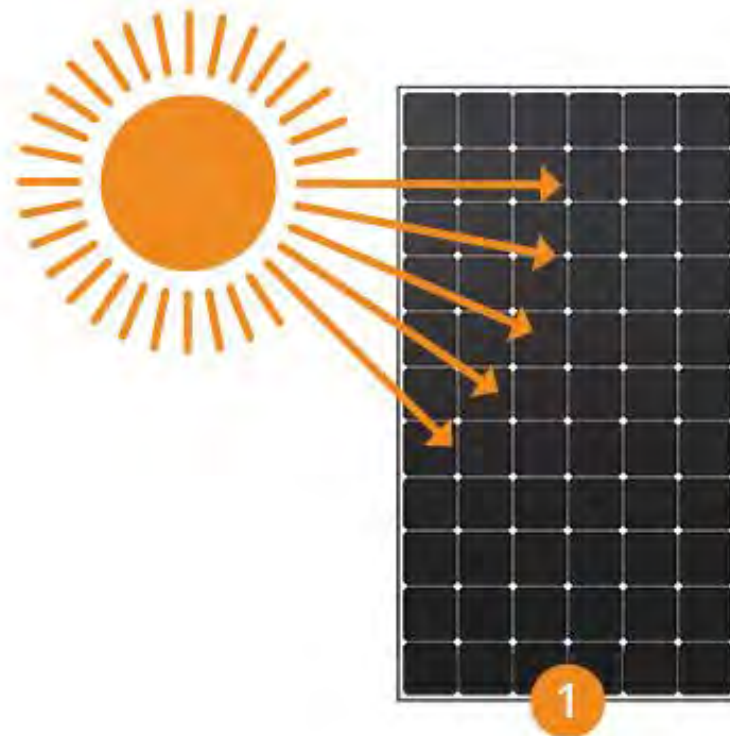
- The Goose Mine site has a great wind resource
- Reduces reliance on importing fuel
 - Less ship traffic
 - Less Winter Ice Road traffic
 - Reduced risk of spills
 - Reduces use of planes
- Quick to install and low maintenance once in place
- No greenhouse gases or other air pollutants
- Wind and sun are inexhaustible resources
 - Wind and sun fuel are free, diesel fuel is expensive

How do Wind Turbines Generate Electricity ?



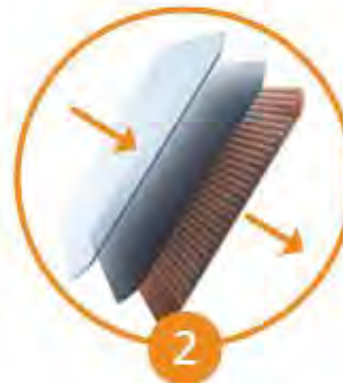
- Wind turbines capture kinetic energy in surface winds and convert it into electrical energy using large blades mounted on tall towers
- As wind moves over turbine blades, it causes 'lift' – The same effect used by airplane wings
- Lift makes the blades rotate, which turns a shaft
- The turning shaft creates electricity within a generator, which in turn creates electricity that can be sent to the Goose Mine

How do Solar Panels Generate Electricity ?



Sunlight

When sunlight hits a solar panel, photons (particles of energy) are converted into electrons.



Solar Cell

As electrons pass through the cells of a solar panel, they're converted into direct current (DC) electricity.



Inverter

That electricity is sent to an inverter which converts it into alternating current (AC) power.



Home Appliances

That AC power runs through your home ready to power appliances, charge devices and more.

SUNPOWER®
How Solar Works

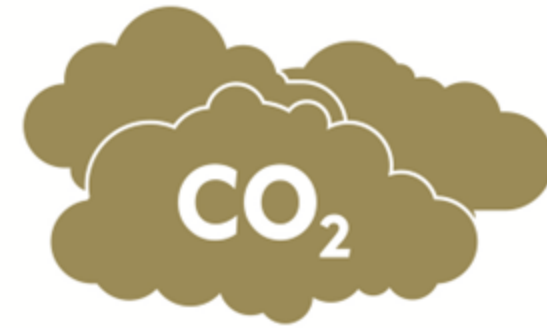
Benefits of a Hybrid Energy System at Goose Mine

Diesel Consumption



- Greater than 50% reduction in diesel fuel usage (over 10 millions litres)¹
- Reduced annual fuel deliveries (ship, truck, plane)
- Less chance of fuel spills

Greenhouse Gas Emissions



- Reduction of over 30,000 tonnes of carbon dioxide¹

1) Based on an annual average electrical demand of 10 MW

Permitting Process

- Number of turbines, model, and height will depend on various factors, including:
 - Wind resource, site restrictions, and economics
- Projecting up to 10 wind towers (~100m height)
- Solar array
- Battery storage directly adjacent to existing camp pad
- Environmental studies completed and ongoing since April 2019:
 - Archaeology, wildlife, fisheries, vegetation, atmospheric, hydrology, etc.
- Permitting process to begin in 2022 with a proposal submitted to the Nunavut Planning Commission and NIRB



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Employment Questions

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Stakeholder Grievances

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BACK RIVER ENERGY CENTRE PROJECT

The Back River Project Energy Centre, a wind generation facility, solar panel array and Battery Energy Storage System, capable of supplying clean energy to the Back River Project Mine.

Up to **13** planned
Wind Turbine Generators.

Between
4.0 and 4.5 MW
power capacity per wind turbine giving
the system a generation capacity of
approximately 55 MW of electricity,
which is sufficient to cleanly power
the Back River Project Mine.

Hub Height 111 m

Rotor Length 69 m

Rotor Diameter 138 m

Solar Array and
Electrical Station
will be located near the
Diesel Power Plant.

Electrical transmission lines will be laid di-
rectly on the tundra and/or laid directly adjacent to
the access roads and covered with aggregate.

Solar panels may also be added.

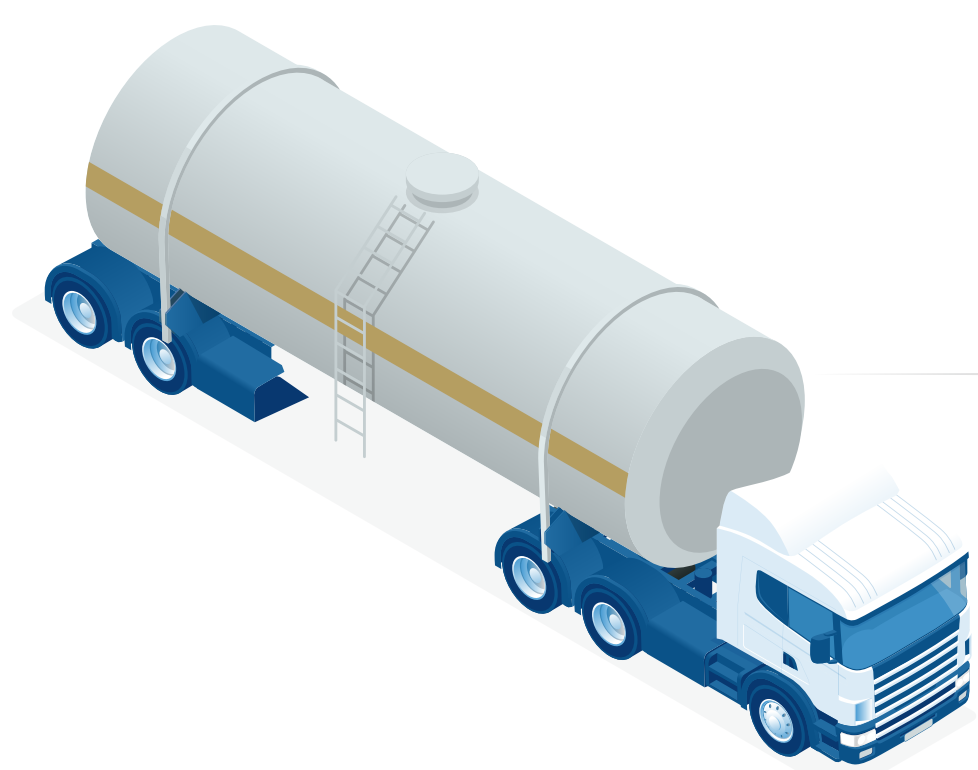
Additional electricity generated by the wind turbines and solar array will be stored by the
Battery Energy Storage System. The Battery Energy Storage System consists of
lithium-ion batteries stored in a seacan on an aggregate pad and will be capable of stor-
ing energy to be used at times when wind and solar energy is not available.

Approximately
500 m
between wind turbines.

KEY MITIGATION

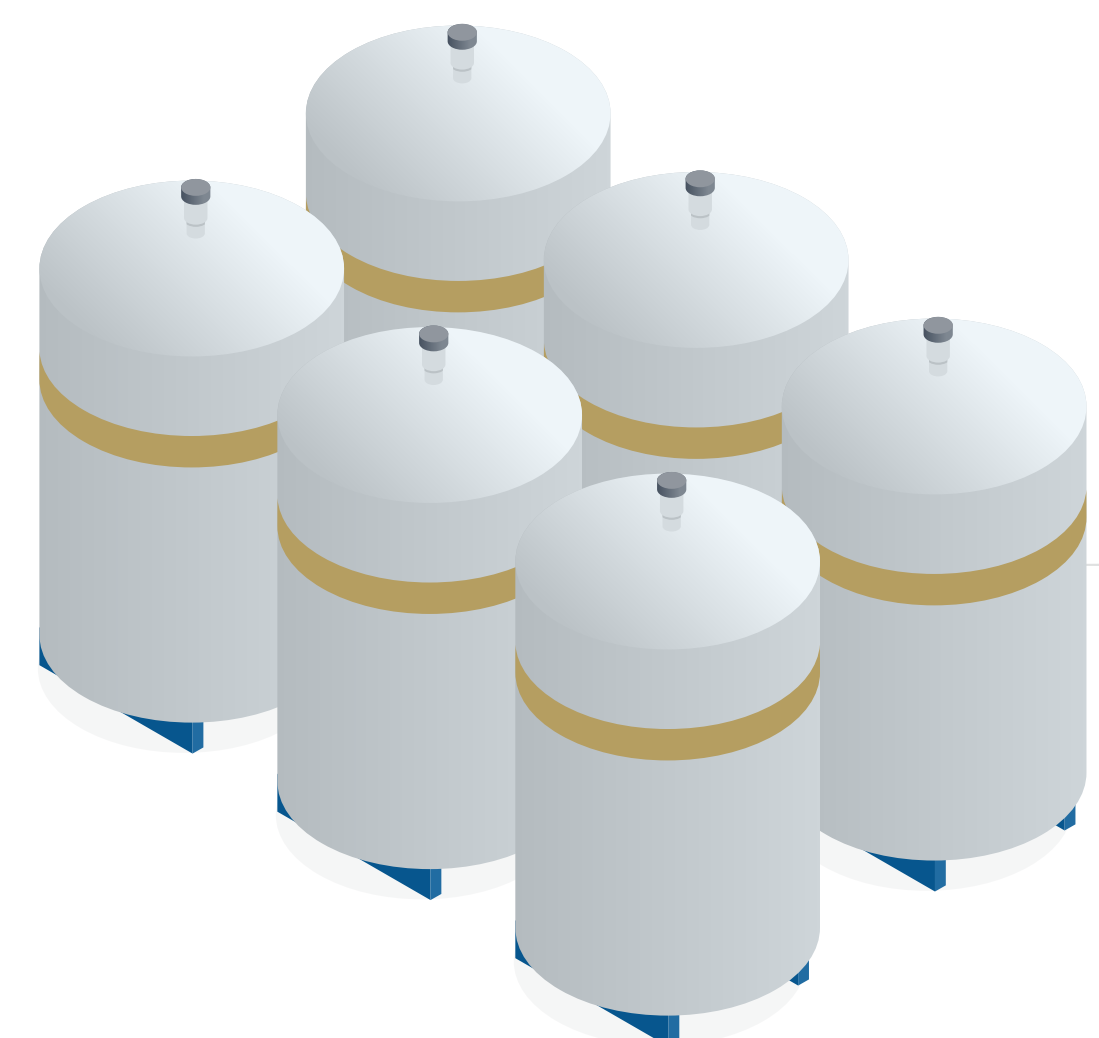
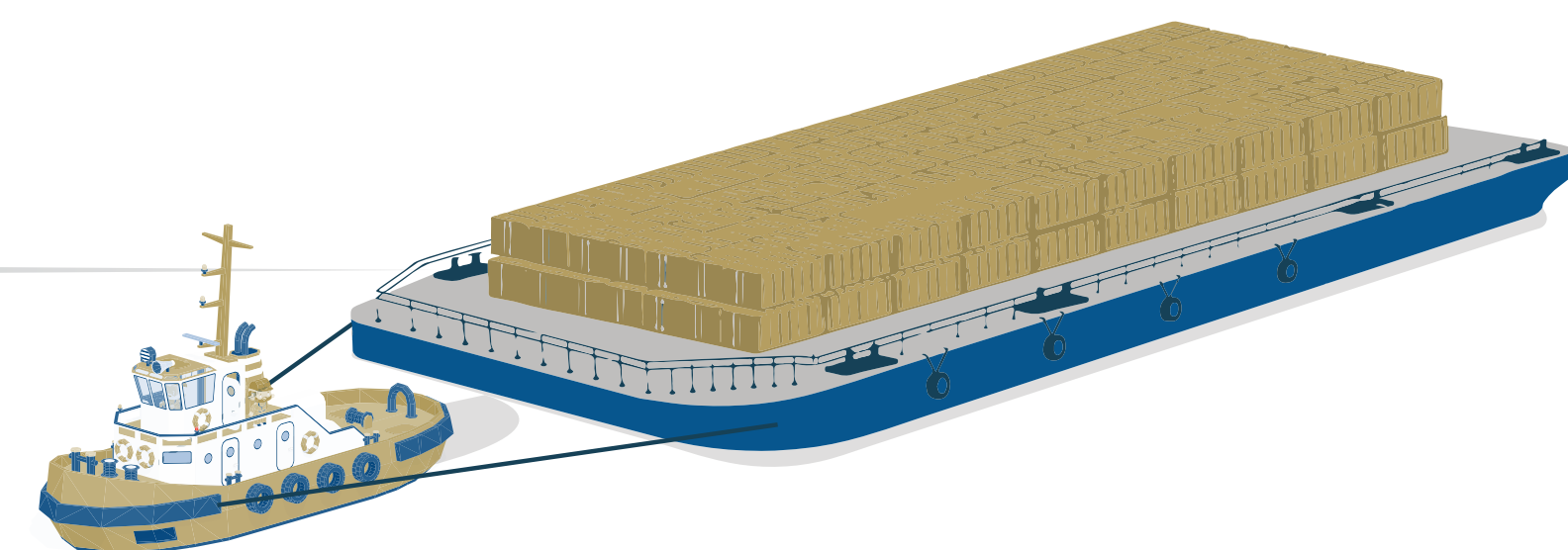
- Noise will attenuate to 45 db by 500 m, which will not disturb animals (see Noise to right).
- The wind towers will be shut down when groups of caribou approach during sensitive seasons.
- Behavioural and avoidance monitoring will determine if caribou are bothered by the wind tower and allow for adaptive management.
- The wind towers will be shut down during peak bird migration, at night during fog – research worldwide has shown that this combination of conditions can be dangerous for birds around wind towers.
- Monitoring will look for bird mortalities due to the wind towers and allow for adaptive management.

BENEFITS



Reduction of up to
~700 fuel
truck trips
per year

Reduction of
~15% sealifts
per year

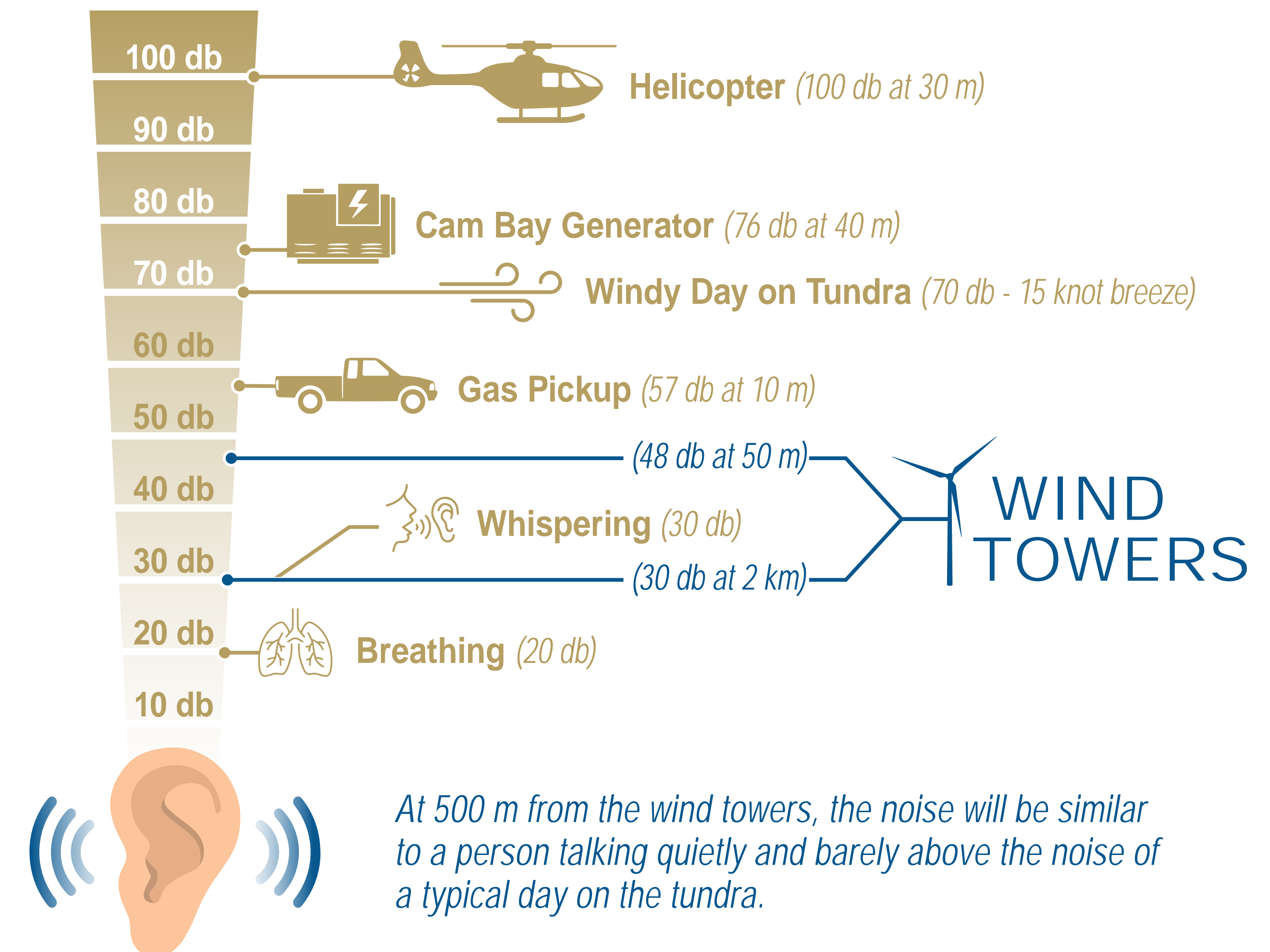


~50%
less fuel per year

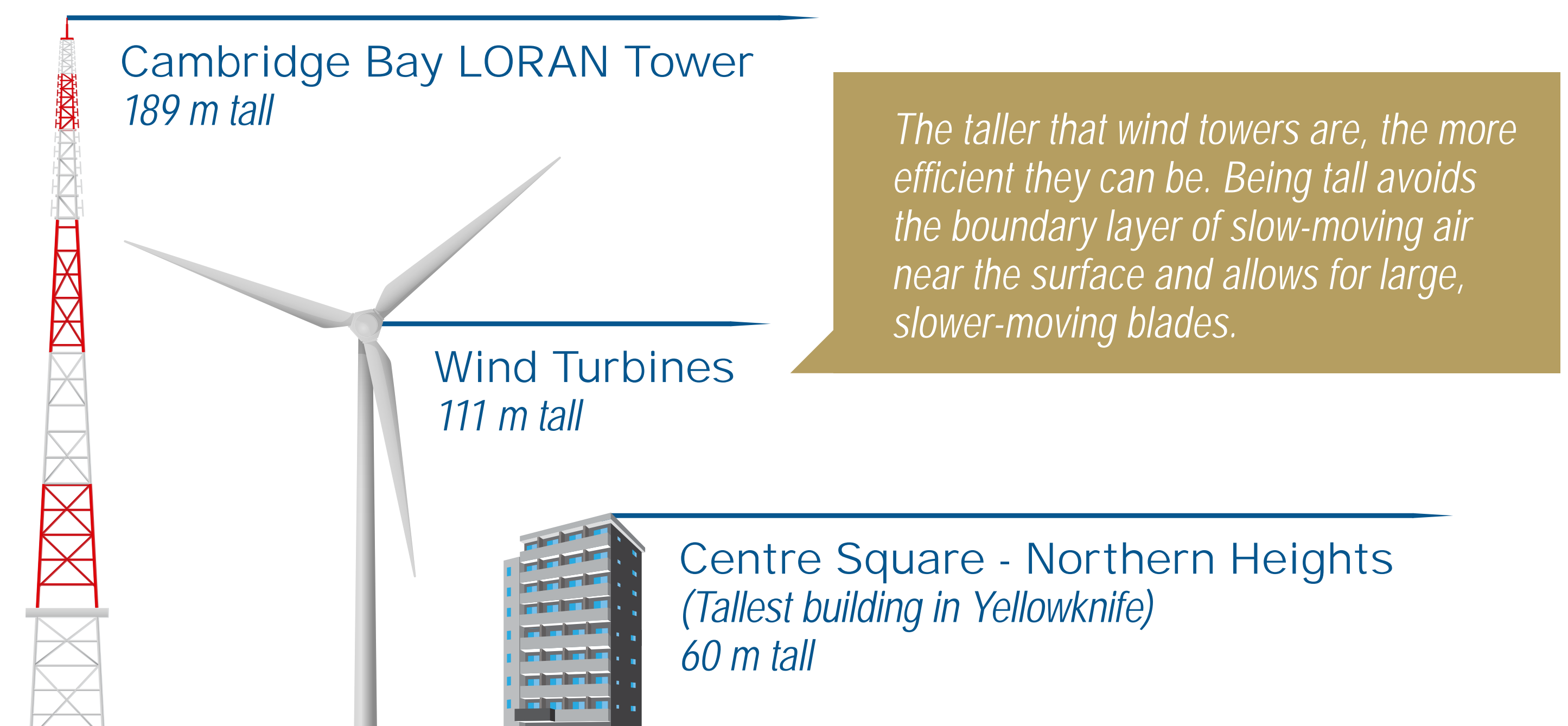
~50%
less greenhouse
gas emissions

NOISE

Sabina conducted noise modeling to determine how loud the wind towers will be at various distances. Noise is measured in decibels (db) which is a logarithmic scale. That means the noise you hear doubles with every 7 db.



HEIGHT COMPARISON





Kitikmeot Community Information & Human Resources Tour

TSX **BTO**
NYSE AMERICAN **BTG**
NSX **B2G**

KITIKMEOT COMMUNITIES PRESENTATION

JUNE 2023

ACQUIRE

DISCOVER

FINANCE

BUILD

OPERATE

CAUTIONARY STATEMENTS



Production results and production guidance presented in this presentation reflect total production at the mines B2Gold operates on a 100% project basis. Please see our Annual Information Form dated March 30, 2022 ("2022 AIF") for a discussion of our ownership interest in the mines B2Gold operates. This presentation includes certain "forward-looking information" and "forward-looking statements" (collectively forward-looking statements") within the meaning of applicable Canadian and United States securities legislation, including: projections; outlook; guidance; forecasts; estimates; and other statements regarding future or estimated financial and operational performance, gold production and sales, revenues and cash flows, and capital costs (sustaining and non-sustaining) and operating costs, including projected cash operating costs and AISC, and budgets on a consolidated and mine by mine basis; and including, without limitation: projected gold production, cash operating costs and AISC on a consolidated and mine by mine basis in 2023; total consolidated cash operating costs for 2022 being between \$610 and \$660 per ounce and at AISC of between \$1,010 and \$1,050 per ounce; total consolidated gold production of between 1,000,000 and 1,080,000 ounces in 2023, with cash operating costs of between \$670 and \$730 per ounce and AISC of between \$1,195 and \$1,255 per ounce; the potential for Fekola Regional to provide saprolite material to feed the Fekola mill starting in the third quarter of 2023; the timing and results of a study for the Fekola Regional to review the project economics of a stand-alone oxide mill; the potential for the Fekola complex to produce 800,000 ounces of gold per year starting in 2026; the potential for the Fekola complex to produce 800,000 ounces of gold per year over a 10-year period; B2Gold's attributable share of Calibre's production; the strategic vision of B2Gold and expectations regarding the potential of the Back River Gold District, including the Goose project and the George Project; the ability to leverage B2Gold's in-house construction and global logistics teams, with specific expertise in remote, cold weather environments; the potential to develop the Back River Gold District, including whether such costs may be covered without further equity dilution to B2Gold shareholders; the potential of building a renewable resources facility in the Back River Gold District and integrating energy efficient initiatives; timing, receipt and anticipated effects of applicable shareholder, court and regulatory approvals; projections; outlook; guidance; forecasts; estimates; and other statements regarding future or estimated financial and operational performance, gold production and sales, revenues and cash flows, and capital costs (sustaining and non-sustaining) and operating costs, including projected cash operating costs and AISC, and budgets on a consolidated and mine by mine basis; the ongoing ability to work cooperatively with stakeholders, including but not limited to local communities and all levels of government; B2Gold's continued prioritization of developing the project in a manner that recognizes Indigenous input and concerns and brings long-term socio-economic benefits to the area. All statements in this presentation that address events or developments that we expect to occur in the future are forward-looking statements. Forward-looking statements are statements that are not historical facts and are generally, although not always, identified by words such as "expect", "plan", "anticipate", "project", "target", "potential", "schedule", "forecast", "budget", "estimate", "intend" or "believe" and similar expressions or their negative connotations, or that events or conditions "will", "would", "may", "could", "should" or "might" occur. All such forward-looking statements are based on the opinions and estimates of management as of the date such statements are made..

Forward-looking statements necessarily involve assumptions, risks and uncertainties, certain of which are beyond B2Gold's or Sabina's control, including risks associated with or related to: the inherent risks, costs and uncertainties associated with integrating the businesses successfully and risks of not achieving all or any of the anticipated benefits of the proposed Transaction, or the risk that the anticipated benefits of the proposed Transaction may not be fully realized or take longer to realize than expected; the occurrence of any event, change or other circumstances that could give rise to the termination of the Agreement; the risk that the proposed Transaction will not be consummated within the expected time period, or at all; the duration and extent of the COVID-19 pandemic, the effectiveness of preventative measures and contingency plans put in place by the Company to respond to the COVID-19 pandemic, including, but not limited to, social distancing, a non-essential travel ban, business continuity plans, and efforts to mitigate supply chain disruptions; escalation of travel restrictions on people or products and reductions in the ability of the Company to transport and refine doré; worldwide economic and political disruptions as a result of current macroeconomic conditions or the ongoing conflict between Russia and Ukraine; the volatility of metal prices and B2Gold's common shares; changes in tax laws; the dangers inherent in exploration, development and mining activities; the uncertainty of reserve and resource estimates; not achieving production, cost or other estimates; actual production, development plans and costs differing materially from the estimates contained herein, or in B2Gold's feasibility and other studies; the ability to obtain and maintain any necessary permits, consents or authorizations required for mining activities; environmental regulations or hazards and compliance with complex regulations associated with mining activities; climate change and climate change regulations; the ability to replace mineral reserves and identify acquisition opportunities; the unknown liabilities of companies acquired by B2Gold; the ability to successfully integrate new acquisitions; fluctuations in exchange rates; the availability of financing; financing and debt activities, including potential restrictions imposed on B2Gold's operations as a result thereof and the ability to generate sufficient cash flows; operations in foreign and developing countries and the compliance with foreign laws, including those associated with operations in Mali, Namibia, the Philippines and Colombia and including risks related to changes in foreign laws and changing policies related to mining and local ownership requirements or resource nationalization generally; remote operations and the availability of adequate infrastructure; fluctuations in price and availability of energy and other inputs necessary for mining operations; shortages or cost increases in necessary

equipment, supplies and labour; regulatory, political and country risks, including local instability or acts of terrorism and the effects thereof; the reliance upon contractors, third parties and joint venture partners; the lack of sole decision-making authority related to Filminera Resources Corporation, which owns the Masbate Project; challenges to title or surface rights; the dependence on key personnel and the ability to attract and retain skilled personnel; the risk of an uninsurable or uninsured loss; adverse climate and weather conditions; litigation risk; competition with other mining companies; community support for B2Gold's and Sabina's operations, including risks related to strikes and the halting of such operations from time to time; conflicts with small scale miners; failures of information systems or information security threats; the ability to maintain adequate internal controls over financial reporting as required by law, including Section 404 of the Sarbanes-Oxley Act; compliance with anti-corruption laws, and sanctions or other similar measures; social media and B2Gold's and Sabina's reputation; risks affecting Calibre having an impact on the value of the Company's investment in Calibre, and potential dilution of our equity interest in Calibre; as well as other factors identified and as described in more detail under the heading "Risk Factors" in B2Gold's most recent Annual Information Form, B2Gold's current Form 40-F Annual Report and B2Gold's other filings with Canadian securities regulators and the U.S. Securities and Exchange Commission (the "SEC"), which may be viewed at www.sedar.com and www.sec.gov, respectively (the "Websites"), as well as under the heading "Risk Factors" in Sabina's most recent Annual Information Form which may be viewed at www.sedar.com. The list is not exhaustive of the factors that may affect B2Gold's forward-looking statements.

B2Gold's forward-looking statements are based on the applicable assumptions and factors management considers reasonable as of the date hereof, based on the information available to management at such time. These assumptions and factors include, but are not limited to, assumptions and factors related to: B2Gold's and Sabina's ability to achieve timely satisfaction of conditions precedent to the Transaction, including with respect to key regulatory and shareholder approvals; B2Gold's and Sabina's ability to carry on current and future operations, including: the duration and effects of COVID-19 on our operations and workforce; development and exploration activities; the timing, extent, duration and economic viability of such operations, including any mineral resources or reserves identified thereby; the accuracy and reliability of estimates, projections, forecasts, studies and assessments; B2Gold's ability to meet or achieve estimates, projections and forecasts; the availability and cost of inputs; the price and market for outputs, including gold; foreign exchange rates; taxation levels; the timely receipt of necessary approvals or permits; the ability to meet current and future obligations; the ability to obtain timely financing on reasonable terms when required; the current and future social, economic and political conditions; and other assumptions and factors generally associated with the mining industry.

B2Gold's forward-looking statements are based on the opinions and estimates of management and reflect their current expectations regarding future events and operating performance and speak only as of the date hereof. B2Gold does not assume any obligation to update forward-looking statements if circumstances or management's beliefs, expectations or opinions should change other than as required by applicable law. There can be no assurance that forward-looking statements will prove to be accurate, and actual results, performance or achievements could differ materially from those expressed in, or implied by, these forward-looking statements. Accordingly, no assurance can be given that any events anticipated by the forward-looking statements will transpire or occur, or if any of them do, what benefits or liabilities B2Gold will derive therefrom. For the reasons set forth above, undue reliance should not be placed on forward-looking statements.

Non-IFRS Measures

This presentation includes certain terms or performance measures commonly used in the mining industry that are not defined under International Financial Reporting Standards ("IFRS"), including "cash operating costs" and "all-in sustaining costs" (or "AISC"). Non-IFRS measures do not have any standardized meaning prescribed under IFRS, and therefore they may not be comparable to similar measures employed by other companies. The data presented is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS and should be read in conjunction with B2Gold's consolidated financial statements. Readers should refer to B2Gold's Management Discussion and Analysis, available on the Websites, under the heading "Non-IFRS Measures" for a more detailed discussion of how B2Gold calculates certain of such measures and a reconciliation of certain measures to IFRS terms.

Cautionary Note to United States Investors

The disclosure in this presentation was prepared in accordance with Canadian National Instrument 43-101 ("NI 43-101"), which differs significantly from the requirements of the SEC, and resource and reserve information contained or referenced in this MD&A may not be comparable to similar information disclosed by public companies subject to the technical disclosure requirements of the SEC. Historical results or feasibility models presented herein are not guarantees or expectations of future performance.

Why are we here?

- Introduce Kitikmeot Communities to B2 Gold Corp.
- Provide an opportunity for job seekers to speak to the Recruitment Team about career opportunities or to get resume writing assistance.
- Provide an update on activities at the Back River Project.
- Share information about the “Back River Energy Centre”.

Who is here from B2Gold Nunavut?

- **John Kaiyogana**, Community Liaison Officer
- **Janet Kadlun**, Senior Indigenous Coordinator
- **Markella Henry**, Talent Acquisition Coordinator
 - **Loretta King**, Technical Recruiter
- **Leah Westbrook**, Manager, Talent Acquisition
- **Merle Keefe**, Manager, Environment Permitting
- **Andrew Moore**, Director, Indigenous & Northern Affairs

We are also Joined by our colleague **Skye Lacroix**, A/ IIBA Manager with the Kitikmeot Inuit Association



B2GOLD CORP. INTRODUCTION

SABINA GOLD & SILVER ACQUISITION



B2Gold Acquisition

- ◆ April 2023, B2Gold Corp. acquired Sabina Gold & Silver Corp. and the Back River Gold District
- ◆ B2Gold Corp. is now the owner and operator of the Back River Gold District
- ◆ B2Gold is a low-cost international senior gold producer headquartered in Vancouver
- ◆ Founded in 2007, today, B2Gold has three operating gold mines and numerous development and exploration projects in various countries including Mali, the Philippines, Namibia, Canada, Colombia, Finland and Uzbekistan
- ◆ Commitment to **ongoing environmental stewardship** of the Project area and **community and Inuit engagement** remains the same



Vision & Values

Raising the Bar

- ◆ At B2Gold, we continue to recognize that responsible environmental stewardship and social responsibility are integral components of business in today's world. We have recognized as corporate priorities, environmental management and the support of local communities, and we integrate environmental and social factors in the decision-making process for the Company and its subsidiaries. As we continue to develop and build on our existing exploration assets and pursue additional opportunities around the world, we will remain committed to maintaining the high standards of environmental stewardship and social responsibility that we have established.

GLOBALLY DIVERSIFIED SENIOR GOLD PRODUCER



Producing Mine Development Project Exploration Project Headquarters

1. B2Gold (operator): 50% / AngloGold Ashanti Limited ("AngloGold"): 50%.
2. Includes Anaconda area (comprised of the Menankoto Permit and Bantako North Permit).

CORPORATE STRATEGY



Maintain the **highest standards of responsible mining**, government relationships, Health, Safety & Environment stewardship and Corporate Social Responsibility (“CSR”) programs



Maximize profitable gold production from existing mines while **increasing Mineral Reserves and Mineral Resources**



Maintain a **strong cash position** while maximizing cash flow and continue **significant dividend payment**



Focus on organic growth by advancing pipeline of development, brownfield and greenfield exploration projects



Continue to **evaluate accretive M&A opportunities** around the world

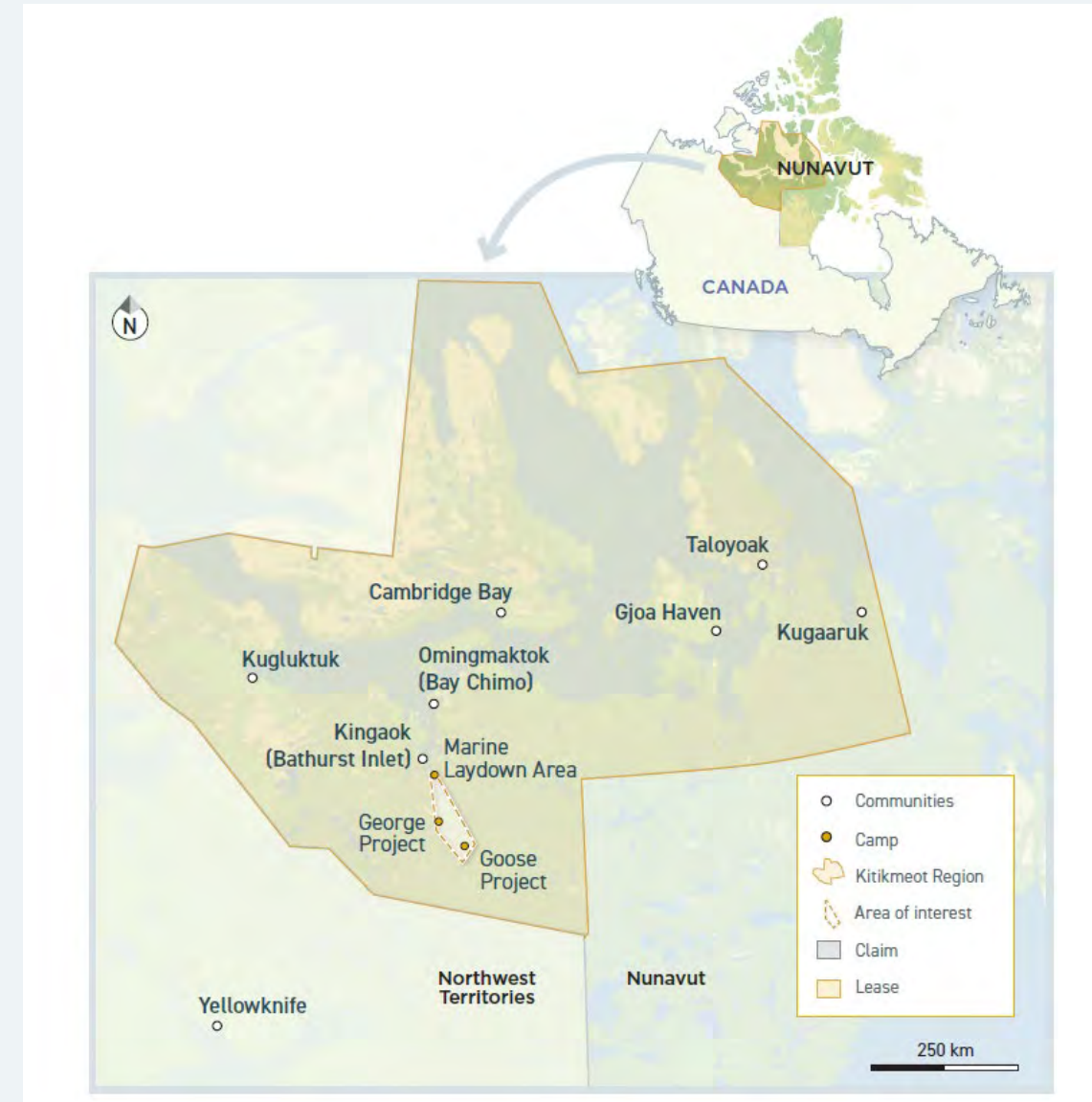


BACK RIVER PROJECT UPDATE

BACK RIVER GOLD DISTRICT



- ◆ 5 mineral claim blocks on the 80km belt
- ◆ Most advanced is Goose –initial mine –8km of iron formation
- ◆ Second most advanced is George –50 km from Goose – 20 km of iron formation
- ◆ Significant resources at Goose outside of the feasibility offer many years of extended mine-life



GOOSE PROJECT

Project Overview

- ◆ Project Certificate Issued by the Nunavut Impact Review Board December 2017
- ◆ Framework Agreement for the Back River Project signed with KIA April 2018
- ◆ Established large high-grade reserves and resources
- ◆ Set to produce ~250k oz Au over 15 years via open pit and underground operations
- ◆ Anticipated operations workforce of ~500 persons for life of mine
- ◆ 2022 saw expanded Health and Safety and Environment teams on Site as well as a newly established Human Resources team
- ◆ Kitikmeot Qualified Business Registry key to procurement practices and activities
- ◆ Industry leading, and award-winning Caribou mitigations in place



Requirements for safe driving on the Winter Ice Road

Sharing the Road with Caribou

1 WATCH FOR WILDLIFE
Caribou always have right-of-way on all roads.

2 SLOW TRAVEL
Limit heavy vehicle speed to **30 km/hr.**
Limit passenger vehicle & snowmobile speed to **60 km/hr.**

3 SLOW, STOP, STAY
December 1st to April 15th
*Operators to scan for wildlife prior to equipment entering on-ice segments of WIR.

<500m from the road: **Slow to <30 km/h**

<50m from the road with intent to cross: **Stop for 20 minutes**

On the road: **Stop and wait**
You may not proceed until the caribou are clear of the road and moving away.

4 SIGHTINGS? SAY SO!
Report all wildlife observations in the wildlife incidental logs.

Sabina

Requirements for safe driving on the Winter Ice Road

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Report all wildlife observations in the wildlife incidental logs.

Sabina

GOOSE MINE: ON-TRACK FOR FIRST GOLD IN Q1 2025



2022 & EARLIER

2023

2024

Q1 2025



Winter Ice Road (WIR)

- > 163km road completed and fully functional
- > Operates between December – April; fully dedicated to Back River Gold District Development

Fully Functional Port

- > 2022 sealift completed with ~12,500 Mt of dry goods received
- > 9.2 million litres of diesel fuel offloaded

Infrastructure and Early Works

- > Procurement is 97% complete (~C\$192M)
- > Two 10 million litre fuel tanks constructed at Port and Goose
- > Pre-stripping commenced at Echo Open Pit

Full Construction (2023 – 2024)

- > Full construction expected to begin in early 2023
- > Continue pre-stripping of Echo pit with waste / ore stockpiling
- > Concrete / steel works to start in Summer 2023, with focus on building envelopes, frames, and concrete
- > Balance of Installation, Implementation, Commissioning to be completed in 2024

Infrastructure (2023)

- > Winter ice road forward camp and road base improvement program in progress
- > Construction of Water Management Facility
- > Complete accommodation facilities

Scheduled Deliveries

- > March / April 2023: First WIR delivery
- > Sept / Oct 2023: Second Sealift
- > March / April 2024: Second WIR delivery

First Gold



< COMPLETED | IN PROGRESS >

WHAT WE HAVE STUDIED AND ADDRESSED



Atmospheric Environment

Air quality
Climate and meteorology
Noise and vibration

Freshwater Environment

Freshwater fish and aquatic habitat
Freshwater fish community
Freshwater sediment quality
Freshwater water quality
Groundwater
Hydrology
Limnology and bathymetry

Human Environment

Archaeological sites
Business opportunities

Country foods
Economic development
Education and training
Employment
Health and community well-being
Human health and environmental risk assessment
Non-traditional land and resource use
Paleontological sites
Subsistence economy and land use

Marine Environment

Marine fish and aquatic habitat
Marine fish community
Marine sediment quality
Marine water quality
Physical processes

Ringed seals
Seabirds and sea ducks

Terrestrial Environment

Caribou
Geology
Grizzly bear
Landforms and soils
Migratory birds
Muskox
Permafrost
Raptors
Vegetation and special landscape features
Wolverine and furbearers

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PROJECT ACHIEVEMENTS & SUCCESSES



713 team members at Project Sites in 2022

- ◆ **80 Inuit** employees at Project sites
- ◆ **524,934 hours** of work completed
- ◆ Inuit and Non-Inuit **female employment steadily rising** since 2019

- ▶ **\$465.6 million** in Project business expenditures have been made since 2018, with **\$122.7 million** spent on Kitikmeot Qualified Businesses.
- ▶ **\$22 million** in taxes paid to Governments since 2020

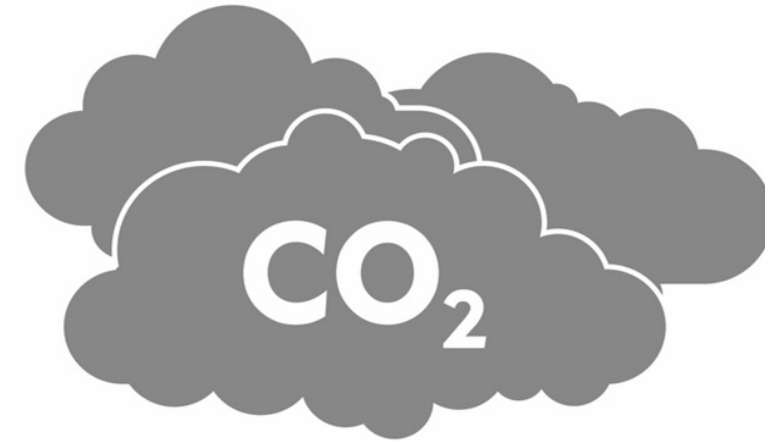
COMMUNITY	Q1 2023 INUIT PROJECT PERSONNEL
Cambridge Bay	26
Kugluktuk	29
Kugaaruk	2
Taloyoak	5
Gjoa Haven	17
Other	9

Back River Energy Centre

WHY A RENEWABLE ENERGY CENTRE?



- Wind/solar power are proven reliable energy sources and could be the primary power generation technology for the Goose Mine.
- Through studies done to date, the area around the Goose Mine will be a great source of wind power.
- Introducing renewable energy use will:
 - Reduce carbon emissions
 - Reduce diesel consumption
 - Reduce winter road traffic
 - Reduce the risk of fuel spills

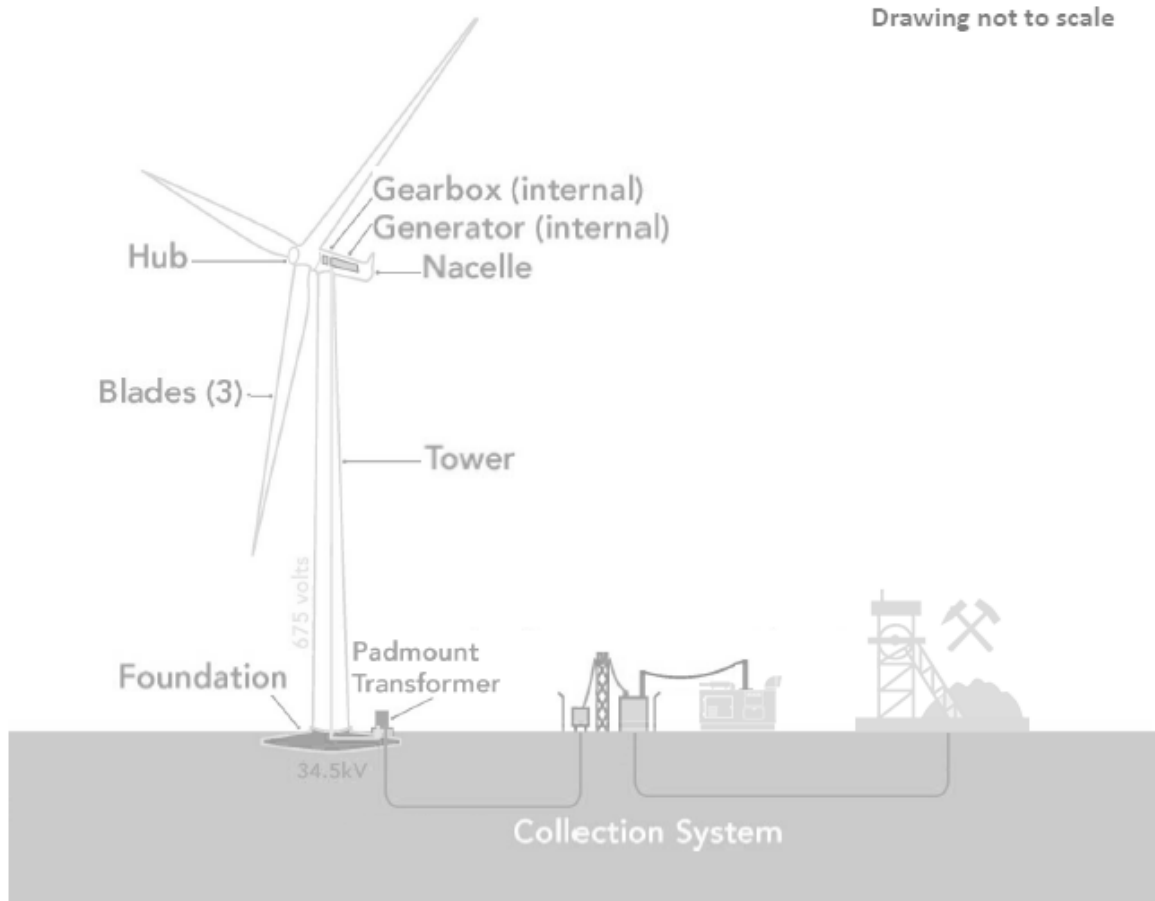


Reduction of over 30,000 tonnes of
carbon dioxide

Greater than 50% reduction in diesel fuel
usage (over 10 millions litres)

NOTE: Based on an annual average electrical demand of 10 MW

HOW DO WIND TURBINES GENERATE ELECTRICITY?



- Wind turbines capture kinetic energy in surface winds and convert it into electrical energy using large blades mounted on tall towers
- As wind moves over turbine blades, it causes 'lift' – The same effect used by airplane wings
- Lift makes the blades rotate, which turns a shaft
- The turning shaft creates electricity within a generator, which in turn creates electricity that can be sent to the Goose Mine

BACK RIVER ENERGY CENTRE PROJECT

The Back River Project Energy Centre, a wind generation facility, solar panel array and Battery Energy Storage System, capable of supplying clean energy to the Back River Project Mine.

Up to **13** planned
Wind Turbine Generators.

Between
4.0 and 4.5 MW
power capacity per wind turbine giving
the system a generation capacity of
approximately 55 MW of electricity,
which is sufficient to cleanly power
the Back River Project Mine.

Hub Height 111 m

Rotor Length 69 m

Rotor Diameter 138 m

**Solar Array and
Electrical Station**
will be located near the
Diesel Power Plant.

Electrical transmission lines will be laid di-
rectly on the tundra and/or laid directly adjacent to
the access roads and covered with aggregate.

Solar panels may also be added.

Additional electricity generated by the wind turbines and solar array will be stored by the
Battery Energy Storage System. The Battery Energy Storage System consists of
lithium-ion batteries stored in a seacan on an aggregate pad and will be capable of stor-
ing energy to be used at times when wind and solar energy is not available.

Approximately
500 m
between wind turbines.

KEY MITIGATION

- Noise will attenuate to 45 db by 500 m, which will not disturb animals (see Noise to right).
- The wind towers will be shut down when groups of caribou approach during sensitive seasons.
- Behavioural and avoidance monitoring will determine if caribou are bothered by the wind tower and allow for adaptive management.
- The wind towers will be shut down during peak bird migration, at night during fog – research worldwide has shown that this combination of conditions can be dangerous for birds around wind towers.
- Monitoring will look for bird mortalities due to the wind towers and allow for adaptive management.

BENEFITS



Reduction of up to
**~700 fuel
truck trips
per year**

Reduction of
**~15% sealifts
per year**

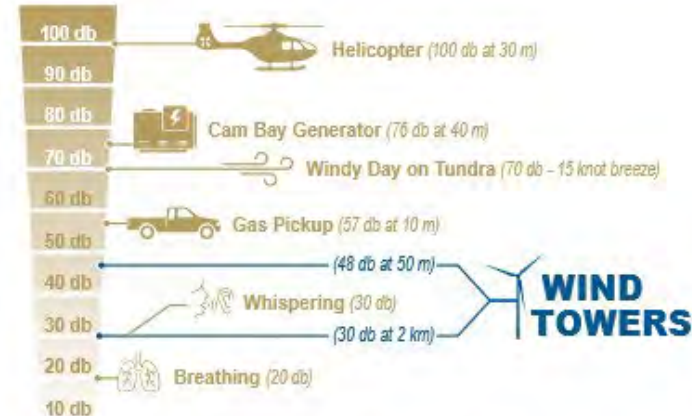


**~50%
less fuel per year**

**~50%
less greenhouse
gas emissions**

NOISE

Sabina conducted noise modeling to determine how loud the wind towers will be at various distances. Noise is measured in decibels (db) which is a logarithmic scale. That means the noise you hear doubles with every 7 db.



At 500 m from the wind towers, the noise will be similar to a person talking quietly and barely above the noise of a typical day on the tundra.

HEIGHT COMPARISON

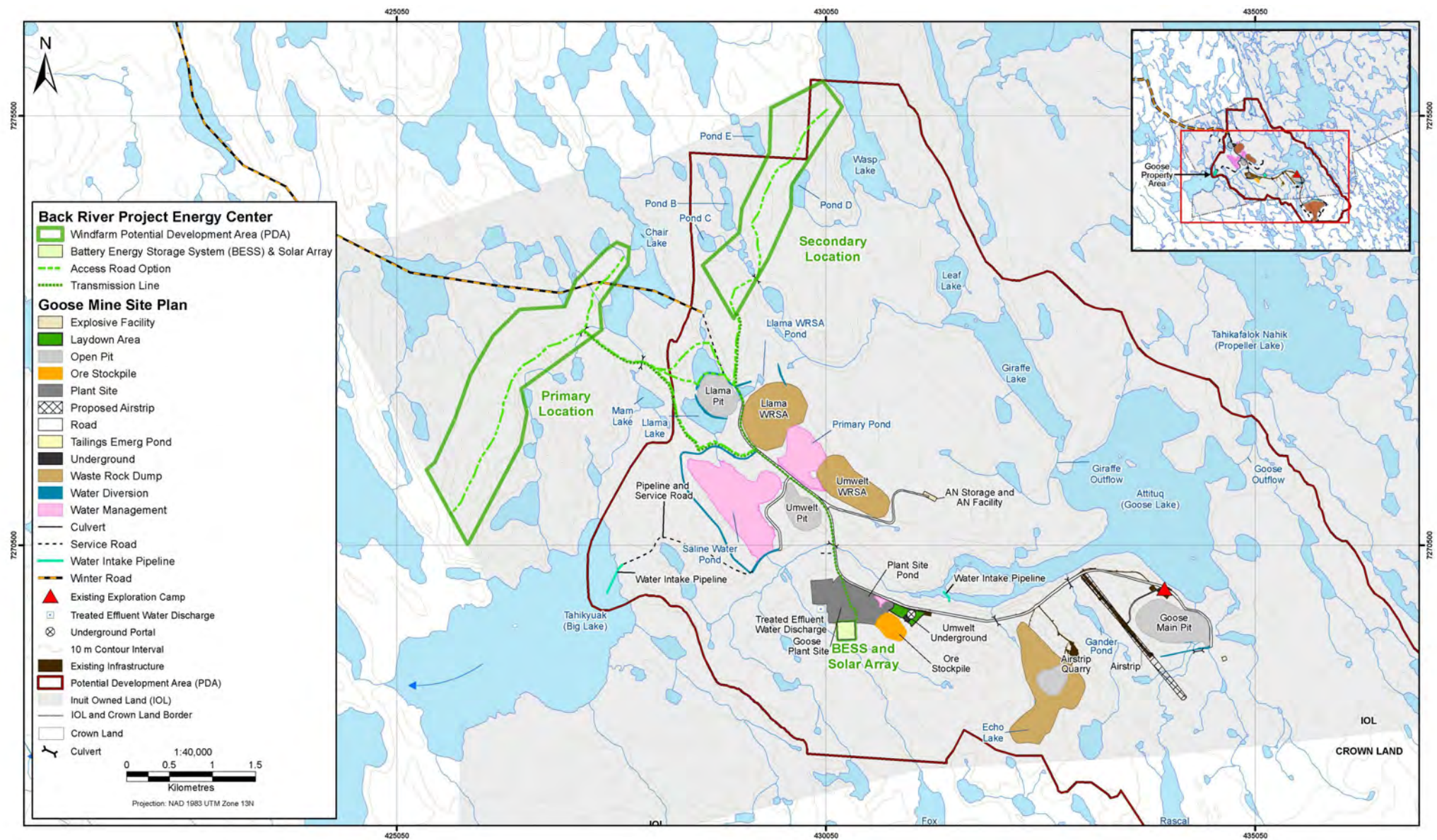


HOW HAVE WE ADDRESSED COMMENTS ABOUT THE PROJECT?



COMMENTS	WHAT HAVE WE DONE ABOUT IT?
Impacts to caribou and terrestrial wildlife	The proposed wind turbine area is located within or directly adjacent to the existing Goose mine development area; the area has not been identified as a key destination for land users and/or harvesting through TK and community engagement. To limit disturbance to caribou movement our existing wildlife monitoring and mitigation measures will be applied to the wind turbines: regional camera monitoring, collar monitoring, behavior monitoring, CTAG discussions with KIA and GN, and temporary shut-downs.
Impacts to birds	B2Gold will develop a detailed Migratory Birds Protection Plan that specifies measures designed for the protection of birds from operation of wind turbines, with additional protective measures to be implemented during periods of poor visibility within peak bird migration periods.

PROPOSED LAYOUT OF THE ENERGY CENTRE



Conclusion

2023 continues as a **critical year** for success to maintain Project schedule

New ownership **does not change** commitments to environmental stewardship and Inuit and Kitikmeot Community Engagement

Continue **positive progress** towards increased Inuit employment across all roles at all Project sites

Back River Energy Centre means **less emissions** and a more efficient operation





B2GOLD

CONTACT DETAILS

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Canada, V6C 2X8

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Fax: +1 604 681 6209

Email: investor@b2gold.com
Website: www.b2gold.com

*****Our new recruitment email*****

Nunavut.Recruitment@b2gold.com

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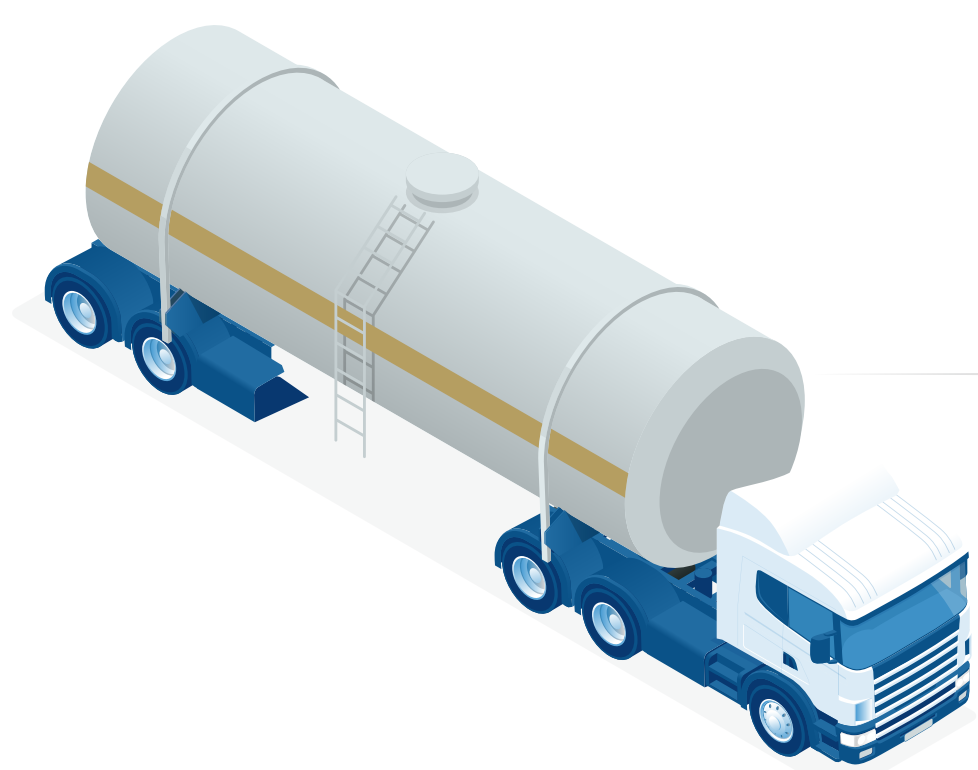
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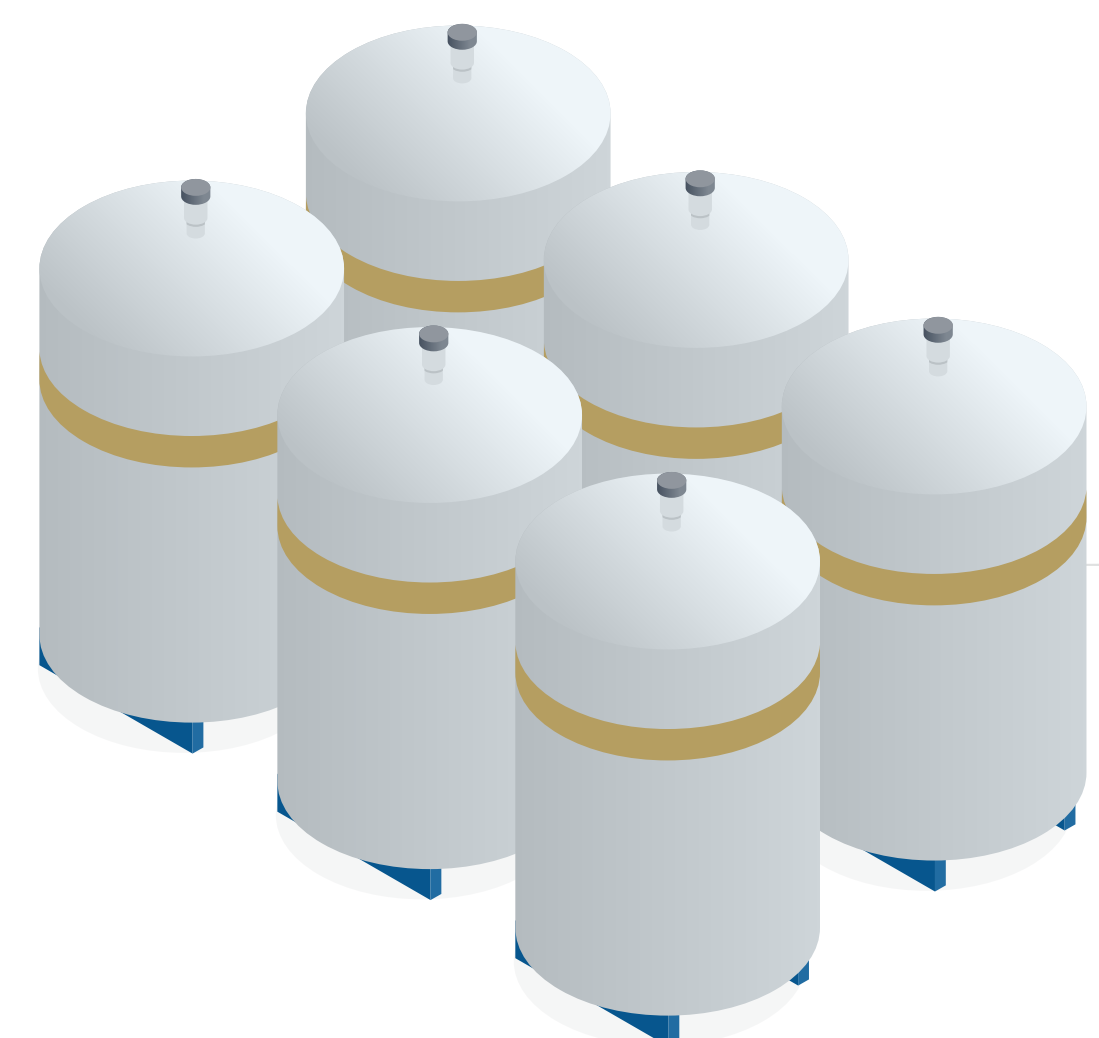
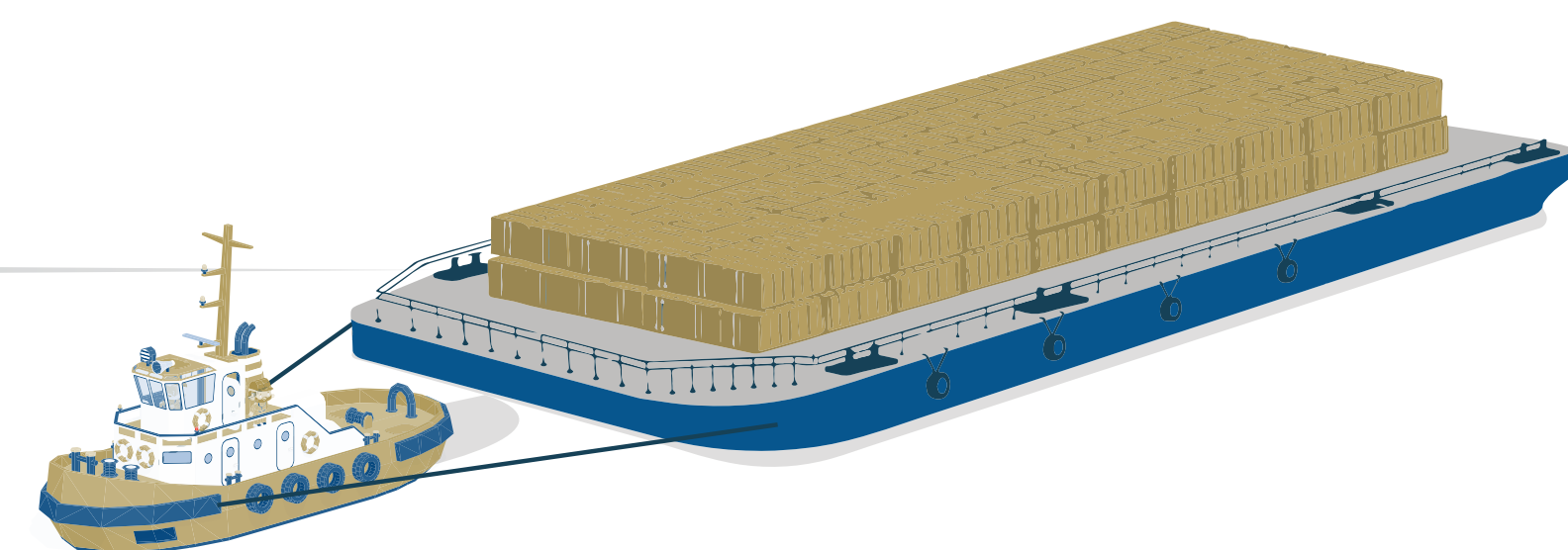
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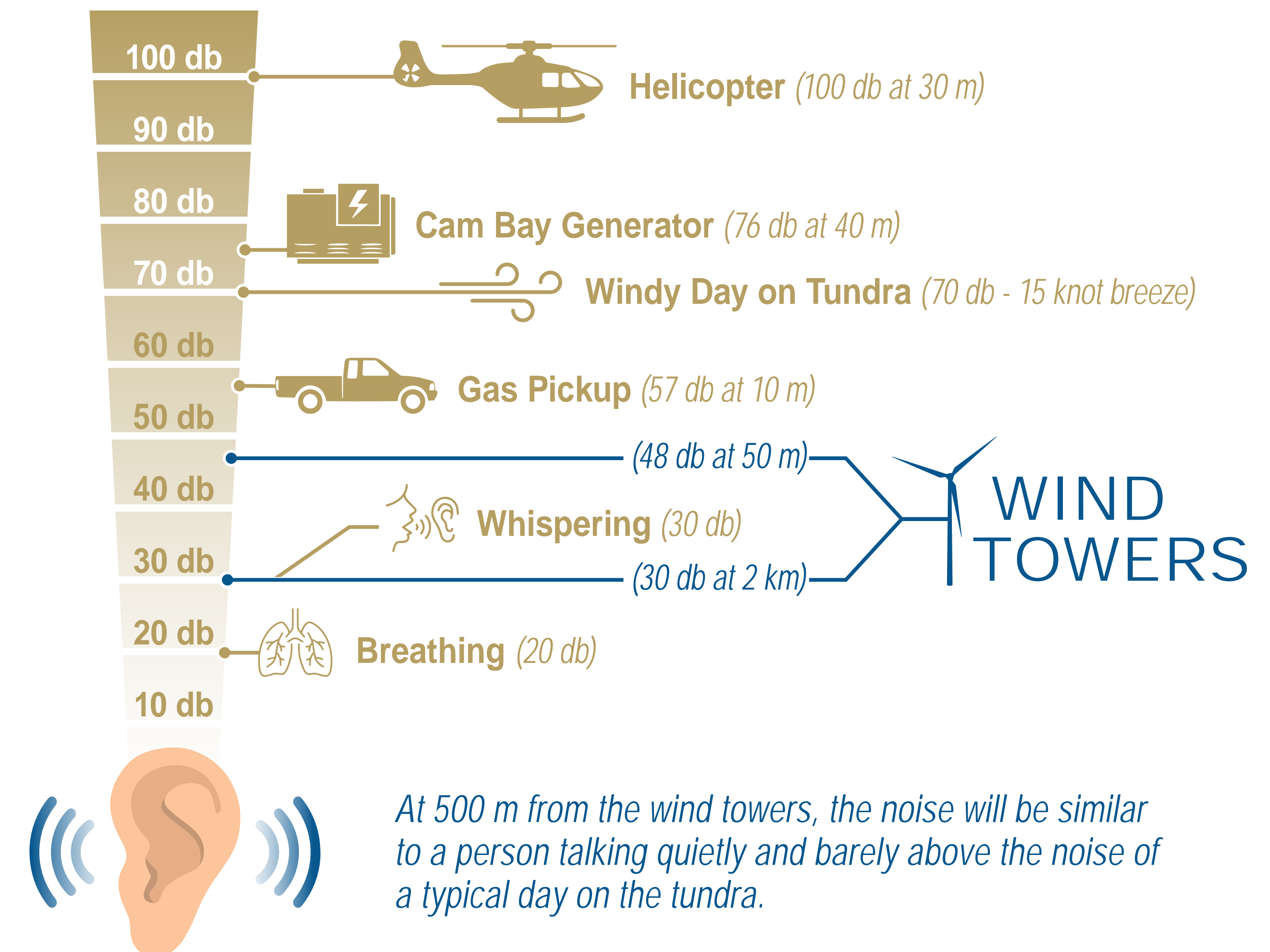


~50%
less fuel per year

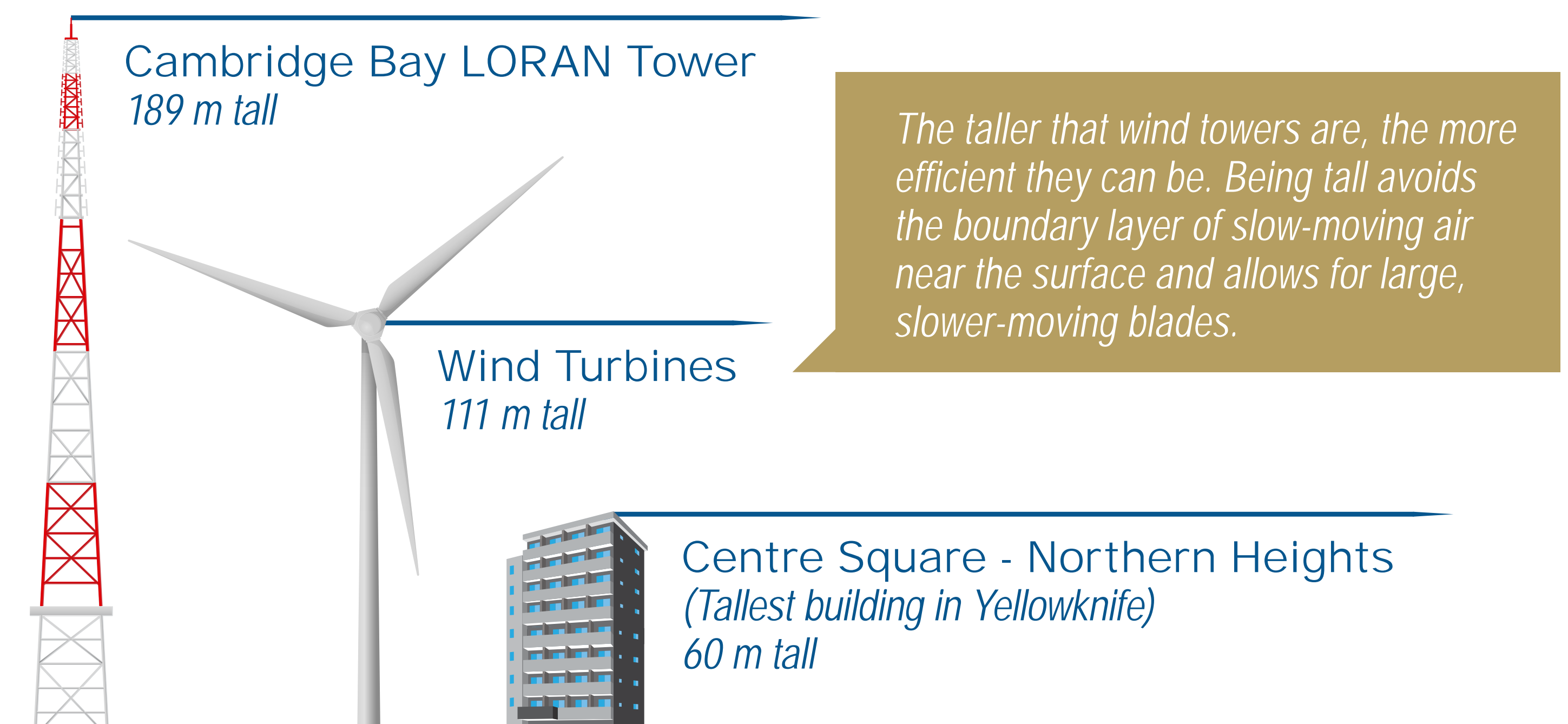
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HEIGHT COMPARISON



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<▷Π^c ◁^c⊂Π^qΓ^c
>^q⊃σ◁ 111 m

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 $\langle \Delta \sigma \rangle_{69 \text{ m}}$

$\chi^2_{\sigma} \sigma_{\chi^2} \Delta \chi^2 \Delta \sigma$ 138 m

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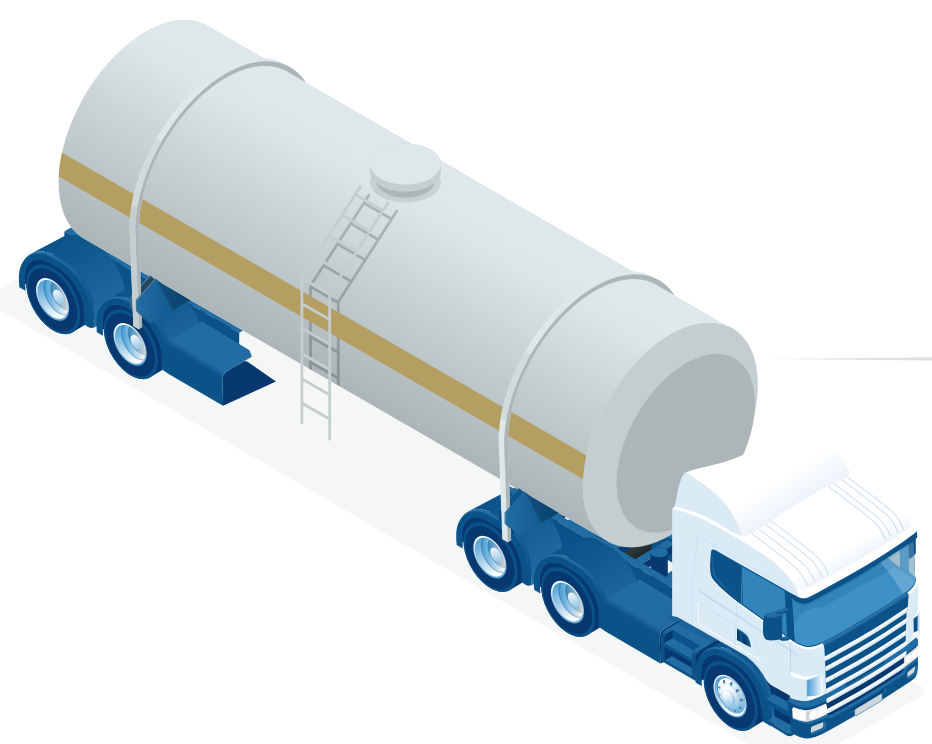
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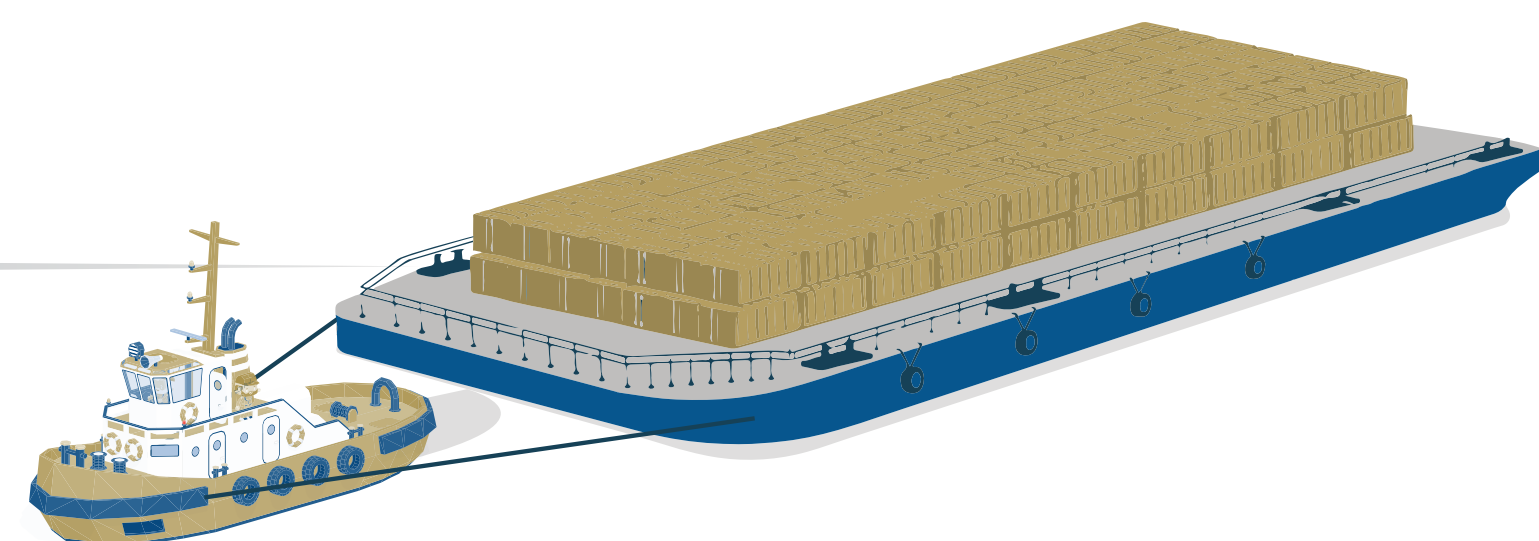
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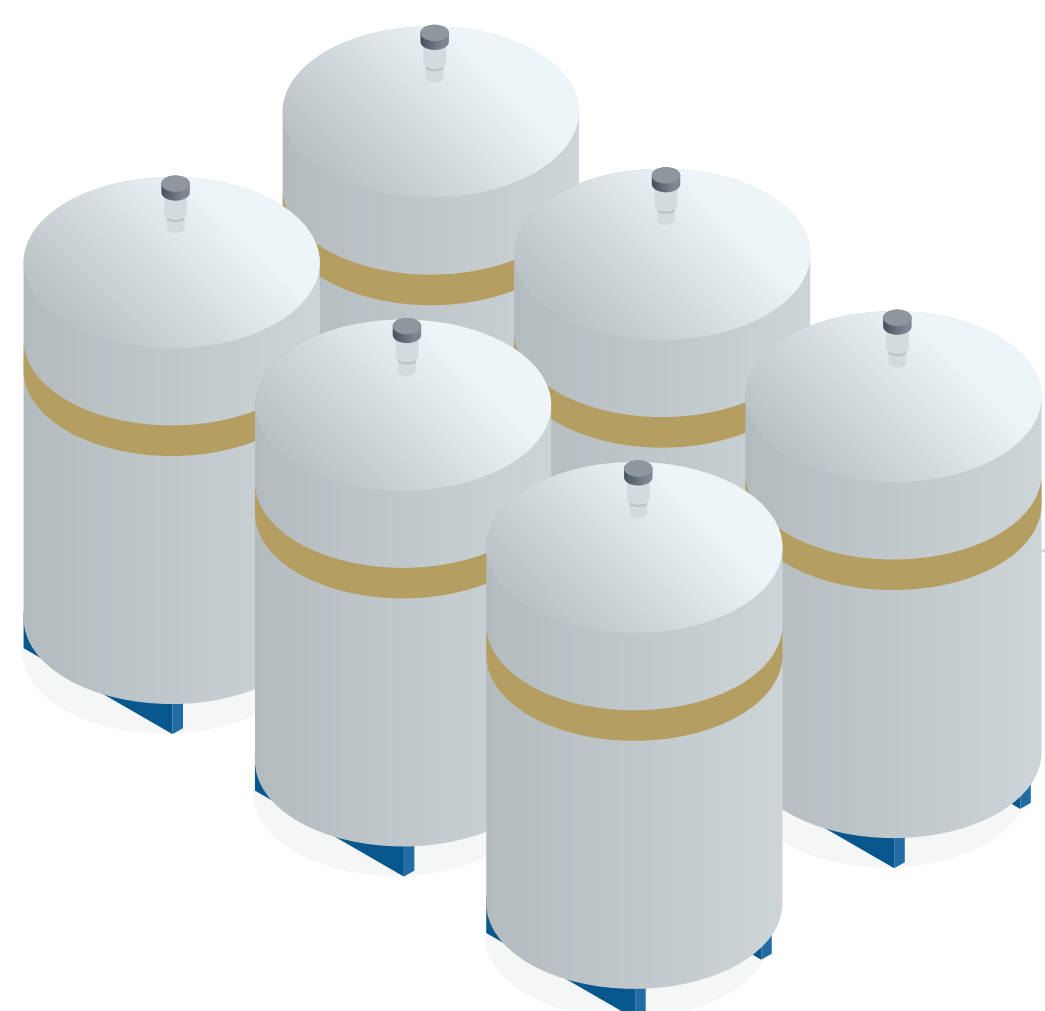
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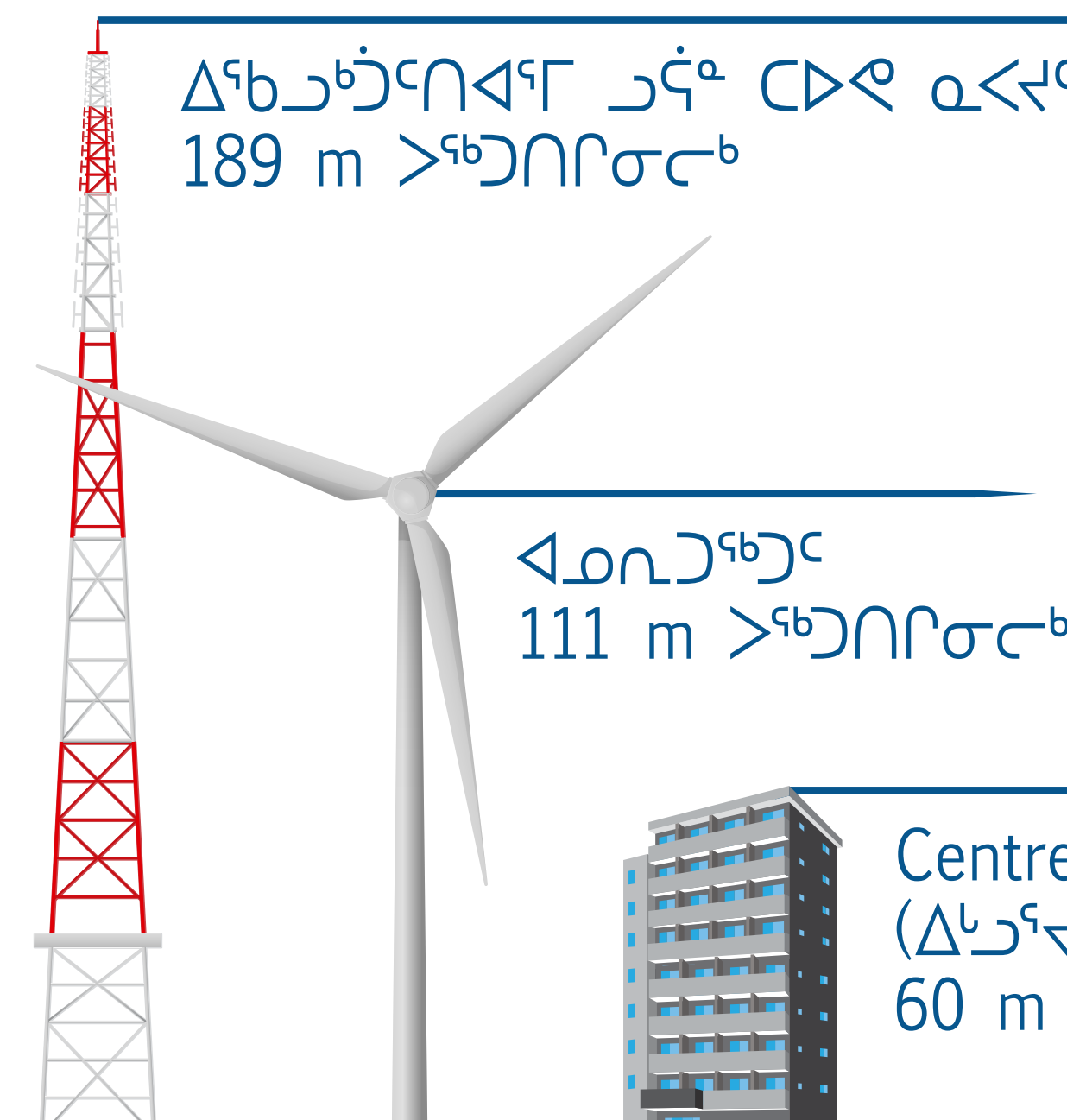


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Appendix B



Back River Project

Inuit Environmental Advisory Committee Meeting

July 16-17, 2023

Yellowknife, NWT & Back River Project



Agenda and Schedule

Agenda & Schedule



- ◆ 10:00 am IEAC Meeting Starts (Location: Explorer Hotel Boardroom)
- ◆ 10:00am Opening Prayer
- ◆ 10:15 am Welcome, Introductions, and Housekeeping Items
- ◆ 10:30 am Inuit Environmental Advisory Committee Overview - Role & Responsibilities
- ◆ 10:45 am Health Break
- ◆ 11:00 am Back River Gold District and Environmental Monitoring Overview
- ◆ 12:30pm Lunch (Location: Explorer Hotel, Traders Grill)
- ◆ 1:30 pm Project Mitigation Overview – Caribou
- ◆ 2:30 pm Back River Project Renewable Energy Centre Overview
- ◆ 3:30 pm Site Visit Overview & Safety Induction
- ◆ 4:00 pm IEAC Meeting Closes
- ◆ 6:00pm Dinner (Location: Explorer Hotel, Traders Grill)



IEAC Membership & KIA and B2Gold Nunavut Meeting Participants

IEAC Membership



- ◆ Alice Ayalik - Kugluktuk
- ◆ Sam Kapolak – Bathurst Inlet
- ◆ Martina Kapolak - Bay Chimo
- ◆ George Hakongak – Cambridge Bay
- ◆ Bobby Klengenberg - Bay Chimo/Cambridge Bay
- ◆ Kevin Ongahak - Bathurst Inlet/Kugluktuk
- ◆ Ryan Nivingalok - Kugluktuk

KIA & B2Gold Nunavut Participants



◆ Kitikmeot Inuit Association

- > Skye Lacroix, A/Manager, Back River IIBA
- > John Roesch, Senior Project Officer
- > Wynter Kuliktana, Director, Lands & Environment

◆ B2Gold Nunavut

- > Andrew Moore, Director, Indigenous & Northern Affairs
- > Janet Kadlun, Senior Indigenous Coordinator (Virtual)
- > Merle Keefe, Manager, Environmental Permitting (Virtual)
- > Thomas Bolt, Environmental Coordinator (Virtual)



IEAC Role & Responsibilities

IEAC - Role & Responsibilities



◆ The Committee will:

- > Receive and consider Back River Project information that relates to the Environment and wildlife.
- > Provide advice to B2Gold Nunavut and KIA on potential impacts and mitigation of potential impacts of the Operations including:
 - Environment
 - Wildlife
 - Fisheries
 - Traditional knowledge
 - Traditional land use
 - Archaeology
- > Work to resolve concerns from community members related to environmental and wildlife aspects of the Back River Project.

IEAC - Role & Responsibilities



- ◆ A requirement in the IIBA & the NIRB Project Certificate to establish an IEAC.
- ◆ Committee members have knowledge about wildlife, fisheries, traditional land use, archaeology, or water of the Back River Project Area.
- ◆ The Committee will serve as part of the environmental management program for the Back River Project.
- ◆ Committee members will be required to attend, and actively participate in Committee meetings.
- ◆ A committee member who fails to attend three successive meetings of the IEA Committee shall be relieved of membership on the IEA Committee.
- ◆ A committee member may resign from IEA Committee by submitting written notice to the IC.
- ◆ All Committee Members are required to adhere to a “Code of Business Conduct & Ethics”.

IEAC - Role & Responsibilities



- ◆ Committee members will be required to meet at least once annually
- ◆ Meetings will take place in Kitikmeot Communities or at the Back River Project
- ◆ The Committee may choose to meet outside of the Kitikmeot Region at its discretion
- ◆ Committee members will be required to visit Back River Project sites at least once annually
- ◆ Committee members will be paid honoraria at standard KIA rates when attending and travelling to meetings. Reasonable travel costs (i.e. flights, meals, hotels) will also be reimbursed.



IEAC Remuneration

IEAC - Remuneration



- ◆ Committee members will be remunerated at the KIA honorarium rates as approved by KIA from time to time.

- ◆ Current Rates
 - > Half Day Meeting- \$225.00
 - > Full Day Meeting- \$450.00

- ◆ Committee members will also have reasonable travel costs (i.e. meals, ground transportation, and incidentals) covered by B2Gold Nunavut. Members are required submit receipts to get the necessary reimbursements. Receipts can be submitted to Ms. Janet Kadlun.

- ◆ B2Gold Nunavut will process payments to members following committee meetings (both virtual and in person) and strive to provide payments to members no later than 14 days after a meeting occurs.



Back River Gold District Overview

SABINA GOLD & SILVER ACQUISITION



B2Gold Acquisition

- ◆ April 2023, B2Gold Corp. acquired Sabina Gold & Silver Corp. and the Back River Gold District
- ◆ B2Gold Corp. is now the owner and operator of the Back River Gold District
- ◆ B2Gold is a low-cost international senior gold producer headquartered in Vancouver
- ◆ Founded in 2007, today, B2Gold has three operating gold mines and numerous development and exploration projects in various countries including Mali, the Philippines, Namibia, Canada, Colombia, Finland and Uzbekistan
- ◆ Commitment to **ongoing environmental stewardship** of the Project area and **community and Inuit engagement** remains the same

Vision & Values

Raising the Bar

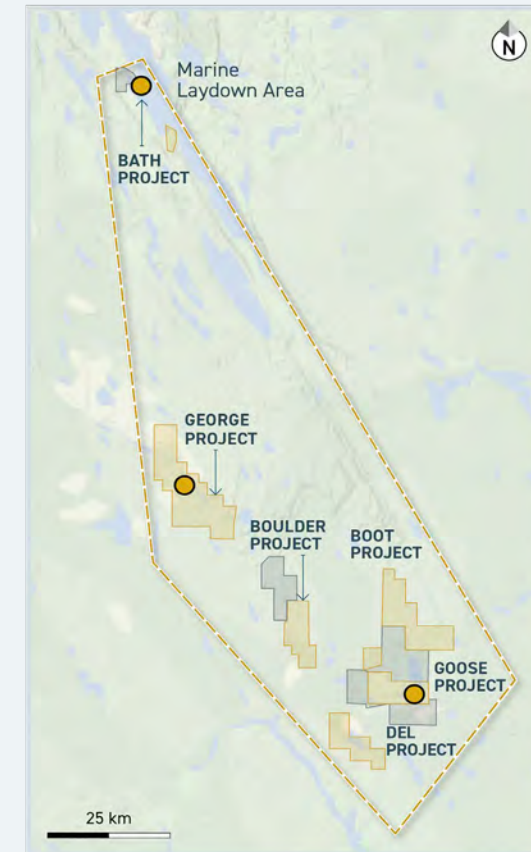
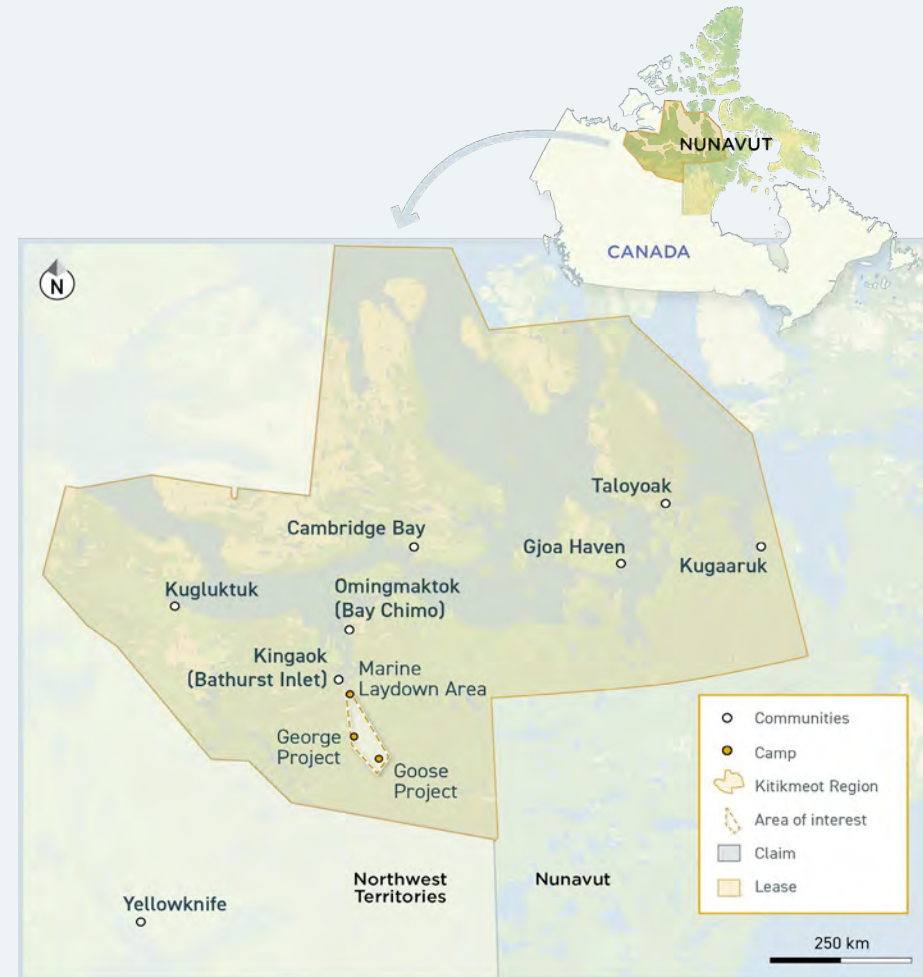
- ◆ At B2Gold, we continue to recognize that responsible environmental stewardship and social responsibility are integral components of business in today's world. We have recognized as corporate priorities, environmental management and the support of local communities, and we integrate environmental and social factors in the decision-making process for the Company and its subsidiaries. As we continue to develop and build on our existing exploration assets and pursue additional opportunities around the world, we will remain committed to maintaining the high standards of environmental stewardship and social responsibility that we have established.



BACK RIVER GOLD DISTRICT



- ◆ 5 mineral claim blocks on the 80km belt
- ◆ Most advanced is Goose –initial mine –8km of iron formation
- ◆ Second most advanced is George –50 km from Goose – 20 km of iron formation
- ◆ Significant resources at Goose outside of the feasibility offer many years of extended mine-life



GOOSE PROJECT

Project Overview

- ◆ Project Certificate Issued by the Nunavut Impact Review Board December 2017
- ◆ Framework Agreement for the Back River Project signed with KIA April 2018
- ◆ Established large high-grade reserves and resources
- ◆ Set to produce ~250k oz Au over 15 years via open pit and underground operations
- ◆ Anticipated operations workforce of ~500 persons for life of mine
- ◆ 2022 saw expanded Health and Safety and Environment teams on Site as well as a newly established Human Resources team
- ◆ Kitikmeot Qualified Business Registry key to procurement practices and activities
- ◆ Industry leading, and award-winning Caribou mitigations in place



GOOSE MINE: ON-TRACK FOR FIRST GOLD IN Q1 2025



2022 & EARLIER

2023

2024

Q1 2025

Winter Ice Road (WIR)

- > 163km road completed and fully functional
- > Operates between December – April; fully dedicated to Back River Gold District Development

Fully Functional Port

- > 2022 sealift completed with ~12,500 Mt of dry goods received
- > 9.2 million litres of diesel fuel offloaded

Infrastructure and Early Works

- > Procurement is 97% complete (~C\$192M)
- > Two 10 million litre fuel tanks constructed at Port and Goose
- > Pre-stripping commenced at Echo Open Pit

Full Construction (2023 – 2024)

- > Full construction expected to begin in early 2023
- > Continue pre-stripping of Echo pit with waste / ore stockpiling
- > Concrete / steel works to start in Summer 2023, with focus on building envelopes, frames, and concrete
- > Balance of Installation, Implementation, Commissioning to be completed in 2024

Infrastructure (2023)

- > Winter ice road forward camp and road base improvement program in progress
- > Construction of Water Management Facility
- > Complete accommodation facilities

Scheduled Deliveries

- > March / April 2023: First WIR delivery
- > Sept / Oct 2023: Second Sealift
- > March / April 2024: Second WIR delivery

First Gold



< COMPLETED

IN PROGRESS >



Back River Environmental Monitoring Overview

WHAT WE HAVE STUDIED AND ADDRESSED



Atmospheric Environment

Air quality
Climate and meteorology
Noise and vibration

Freshwater Environment

Freshwater fish and aquatic habitat
Freshwater fish community
Freshwater sediment quality
Freshwater water quality
Groundwater
Hydrology
Limnology and bathymetry

Human Environment

Archaeological sites
Business opportunities

Country foods
Economic development
Education and training
Employment
Health and community well-being
Human health and environmental risk assessment
Non-traditional land and resource use
Paleontological sites
Subsistence economy and land use

Marine Environment

Marine fish and aquatic habitat
Marine fish community
Marine sediment quality
Marine water quality
Physical processes

Ringed seals
Seabirds and sea ducks

Terrestrial Environment

Caribou
Geology
Grizzly bear
Landforms and soils
Migratory birds
Muskox
Permafrost
Raptors
Vegetation and special landscape features
Wolverine and furbearers

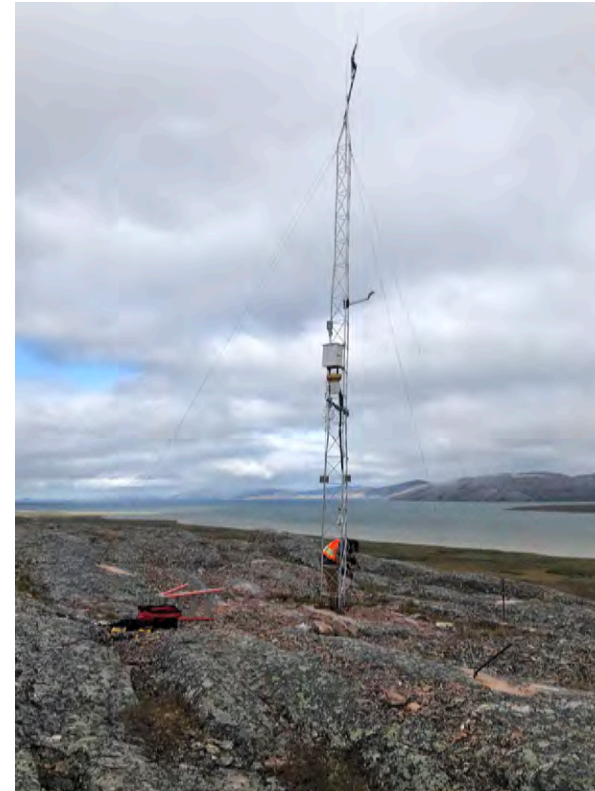
Archaeology



- ◆ B2Gold Nunavut has a Cultural and Heritage Resources Protection Plan in place at the Back River Project
 - > All areas of potential development at the Project are searched by archaeologists looking for archaeological sites
 - > Archaeological sites that are within proximity to areas of development are flagged and monitored by the Environmental Department on site
 - > B2Gold has also developed a Chance Find Procedure for archaeological sites that may be discovered by chance during the life of the Project.



- ◆ B2Gold Nunavut has an Air Quality Management Plan in place at the Back River Project
 - > Emissions and Greenhouse Gas Reduction Plan, Dust Reduction Plan, and Incineration Management Plan are integral parts
 - > Air quality monitoring of NO₂
 - > Dustfall monitoring of particulates and metals
 - > Particulate monitoring of TSP and PM_{2.5}
 - > Meteorological monitoring
 - > Incinerator stack emissions testing
 - > Emissions monitoring (GHG)



Marine Water Quality



- ◆ B2Gold Nunavut has a Marine Water Quality Management Plan in place at the Back River Project
 - > Monitoring occurs during shipping and desalination activities are the Marine Laydown Area (MLA) to enable identification of potential impacts and to inform adaptive management
 - > Physical oceanographic profiles are collected during each sample (salinity, temperature, dissolved oxygen)
 - > Water quality samples are completed and compared against Canadian or site-specific guidelines
 - > Sediment quality samples are completed and compared against Canadian or site-specific guidelines
- > Shipping Management Guidelines



THE MARINE MAMMAL AND SEABIRD MONITORING PROGRAM

1. Ship crews will look for and record marine mammal and seabird sightings throughout the ship's journey.
2. The assigned MMSO will monitor for marine mammals and seabirds.
3. The ship's Master will be notified if there is a concern of the ship striking a marine mammal.
4. Ship personnel will make a decision if actions are required to avoid a possible collision.

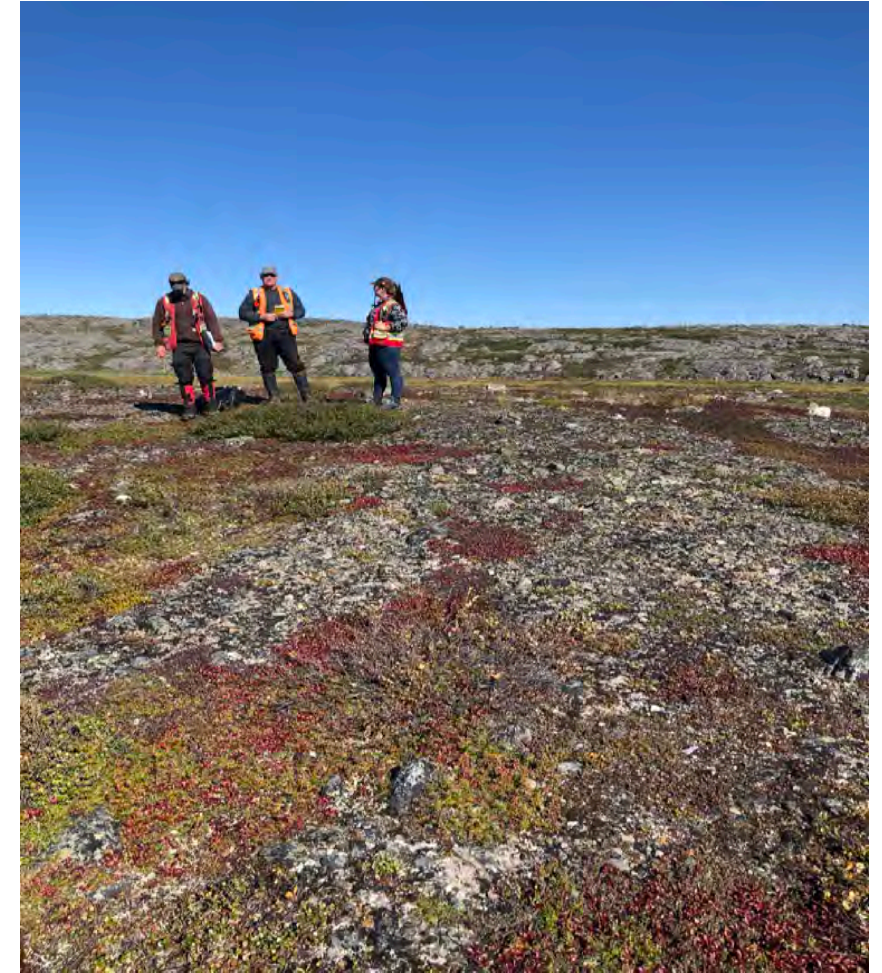
*It is the responsibility of captains to ensure that appropriate crew members have been trained on the MMSO program, conduct the MMSO while underway and report their findings to Sabina.



Vegetation



- ◆ B2Gold Nunavut has a Vegetation Monitoring Plan in place at the Back River Project
 - > Outlines the approach for monitoring Back River Project related vegetation impacts
 - > Footprint monitoring
 - > Vegetation monitoring along the Winter Ice Road
 - > Vegetation monitoring along a distance gradient from the mining locations
 - > Non-native plant monitoring



Terrestrial Wildlife



- ◆ B2Gold Nunavut has a Wildlife Mitigation and Monitoring Plan in place at the Back River Project
 - > Wildlife effects monitoring occurs for all terrestrial and marine wildlife: caribou, muskox, grizzly bear, raptors, waterbirds, marine birds, marine mammals, wolverine, etc.

- Monitoring of seasonal ranges
- Camera monitoring
- Incidental wildlife reporting
- Active wildlife monitoring
- Waste management
- Pre-clearing surveys
- Pit and quarry wall nest monitoring
- On-ice monitoring at the MLA



Training Provided

- Wildlife observation reporting
- Awareness of wildlife-sensitive periods and locations
- Local wildlife species
- Managing wildlife attractants
- No feeding of wildlife
- No harassment of wildlife
- No hunting
- Road operating procedures
- Wildlife incident/accident reporting and response procedures
- Bear-aware training for outdoor staff



Project Mitigation Overview- Caribou

Caribou

- ◆ B2Gold Nunavut has a Wildlife Mitigation and Monitoring Plan in place at the Back River Project
 - > Caribou Protection Measures across the Project
 - **WIR** Monitoring and Mitigation Measures
 - Caribou collar monitoring in advance of migration
 - Site notifications
 - Remote caribou cameras
 - Dedicated wildlife monitors on the road
 - Drone capabilities




Requirements for safe driving on the Winter Ice Road

Sharing the Road with Caribou

 **1 WATCH FOR WILDLIFE**
Caribou always have right-of-way on all roads.

2 SLOW TRAVEL
Limit heavy vehicle speed to **30 km/hr.**


Limit passenger vehicle & snowmobile speed to **60 km/hr.**

3 SLOW, STOP, STAY
December 1st to April 15th
*Operators to scan for wildlife prior to equipment entering on-ice segments of WIR

 **<500m from the road: Slow to <30 km/h**

<50m from the road with intent to cross: Stop for 20 minutes

 **Slowly proceed if safe to do so.**

On the road: Stop and wait
You may not proceed until the caribou are clear of the road and moving away.



Caribou

◆ Staged Reductions in Project Activities if Caribou Approaching and Proximal

1. Blasting

MITIGATION

No blasting if caribou are within the safety area.

MONITORING

Wildlife monitors survey for caribou every day, year-round.

MANAGEMENT

During all seasons, **suspend blasting** if groups of 25 or greater caribou are within 4 km



3. Heavy Mobile Equipment

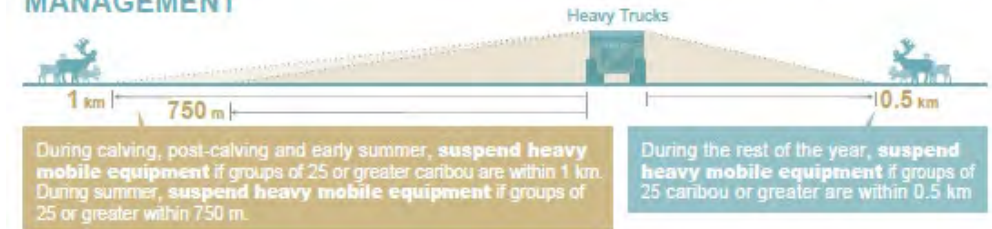
MITIGATION

Speed limits will be enforced (60 km/h).

MONITORING

Wildlife monitors survey for caribou every day, year-round.

MANAGEMENT



◆ General mitigation and monitoring measures:

- > Incorporation of IQ/TK
 - Beechey Lake Crossing
- > Minimizing attractants
- > Wildlife observations
- > Minimizing footprint, noise, dust
- > Employee education

4. Helicopters

MITIGATION

Pilots are trained to identify, report, and avoid caribou groups and high use areas for caribou.

MONITORING

Pilots monitor for caribou while flying.

The Environmental Manager informs pilots of known caribou in the area and can ground flights if too many caribou are present near the site.

MANAGEMENT

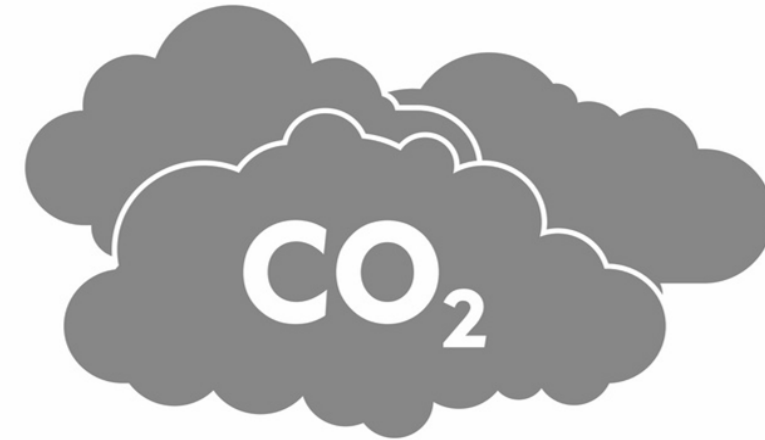




Back River Renewable Energy Centre Overview

WHY A RENEWABLE ENERGY CENTRE?

- Wind/solar power are proven reliable energy sources and could be the primary power generation technology for the Goose Mine.
- Through studies done to date, the area around the Goose Mine will be a great source of wind power.
- Introducing renewable energy use will:
 - Reduce carbon emissions
 - Reduce diesel consumption
 - Reduce winter road traffic
 - Reduce the risk of fuel spills

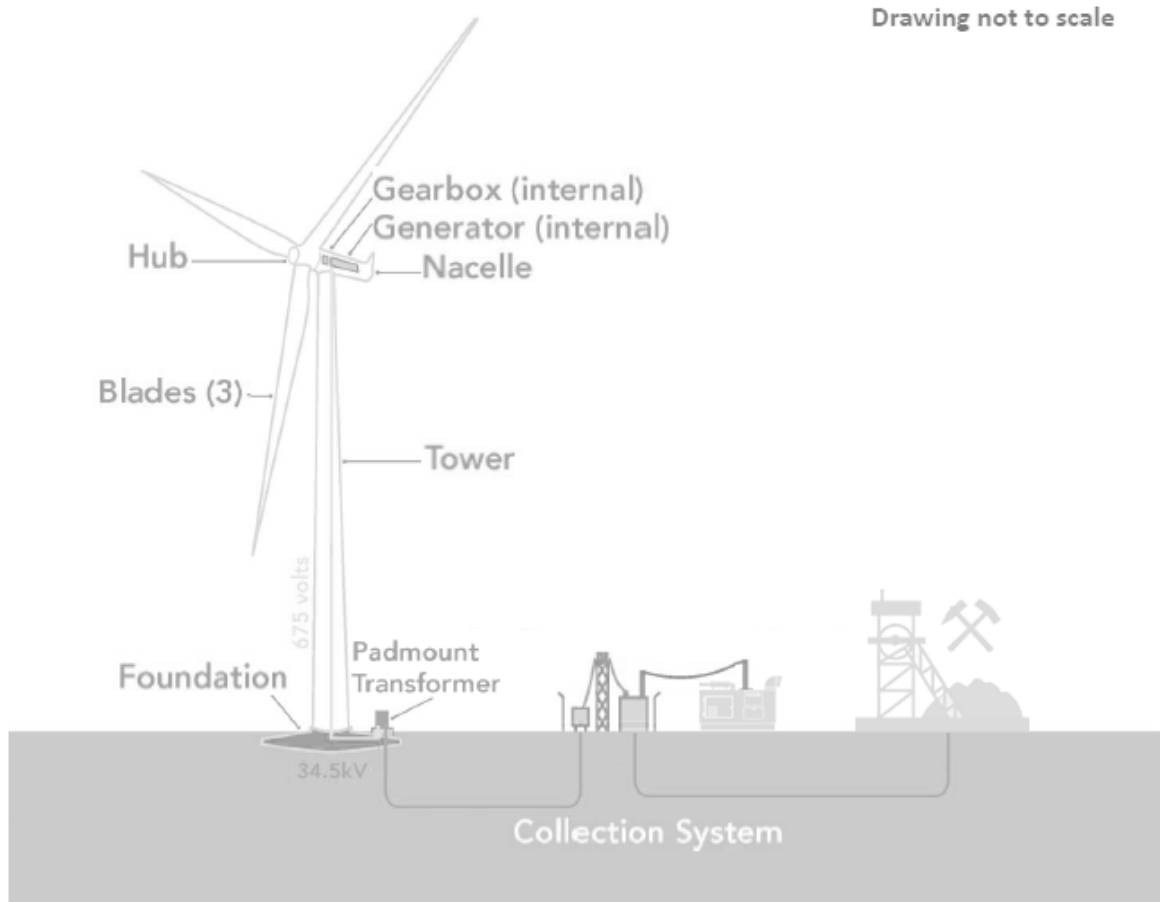


Reduction of over 30,000 tonnes of
carbon dioxide

Greater than 50% reduction in diesel fuel
usage (over 10 millions litres)

NOTE: Based on an annual average electrical demand of 10 MW

HOW DO WIND TURBINES GENERATE ELECTRICITY?



- Wind turbines capture kinetic energy in surface winds and convert it into electrical energy using large blades mounted on tall towers
- As wind moves over turbine blades, it causes 'lift' – The same effect used by airplane wings
- Lift makes the blades rotate, which turns a shaft
- The turning shaft creates electricity within a generator, which in turn creates electricity that can be sent to the Goose Mine

BACK RIVER ENERGY CENTRE PROJECT

The Back River Project Energy Centre, a wind generation facility, solar panel array and Battery Energy Storage System, capable of supplying clean energy to the Back River Project Mine.

Up to **13** planned
Wind Turbine Generators.

Between
4.0 and 4.5 MW
power capacity per wind turbine giving
the system a generation capacity of
approximately 55 MW of electricity,
which is sufficient to cleanly power
the Back River Project Mine.

Hub Height 111 m

Rotor Length 69 m

Rotor Diameter 138 m

**Solar Array and
Electrical Station**
will be located near the
Diesel Power Plant.

Electrical transmission lines will be laid di-
rectly on the tundra and/or laid directly adjacent to
the access roads and covered with aggregate.

Solar panels may also be added.

Additional electricity generated by the wind turbines and solar array will be stored by the
Battery Energy Storage System. The Battery Energy Storage System consists of
lithium-ion batteries stored in a seacan on an aggregate pad and will be capable of stor-
ing energy to be used at times when wind and solar energy is not available.

Approximately
500 m
between wind turbines.

KEY MITIGATION

- Noise will attenuate to 45 db by 500 m, which will not disturb animals (see Noise to right).
- The wind towers will be shut down when groups of caribou approach during sensitive seasons.
- Behavioural and avoidance monitoring will determine if caribou are bothered by the wind tower and allow for adaptive management.
- The wind towers will be shut down during peak bird migration, at night during fog – research worldwide has shown that this combination of conditions can be dangerous for birds around wind towers.
- Monitoring will look for bird mortalities due to the wind towers and allow for adaptive management.

BENEFITS



Reduction of up to
**~700 fuel
truck trips
per year**

Reduction of
**~15% sealifts
per year**

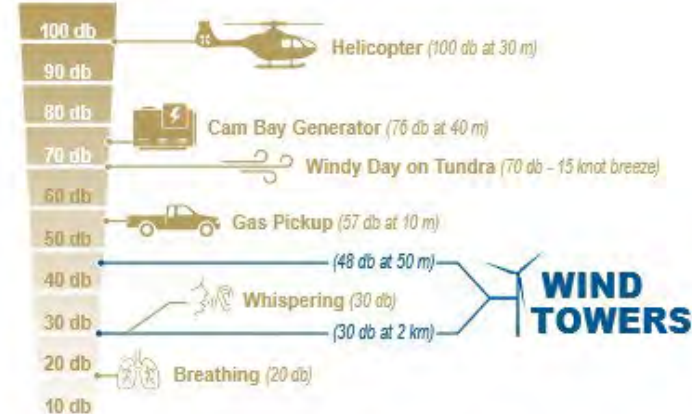


**~50%
less fuel per year**

**~50%
less greenhouse
gas emissions**

NOISE

Sabina conducted noise modeling to determine how loud the wind towers will be at various distances. Noise is measured in decibels (db) which is a logarithmic scale. That means the noise you hear doubles with every 7 db.



At 500 m from the wind towers, the noise will be similar to a person talking quietly and barely above the noise of a typical day on the tundra.

HEIGHT COMPARISON

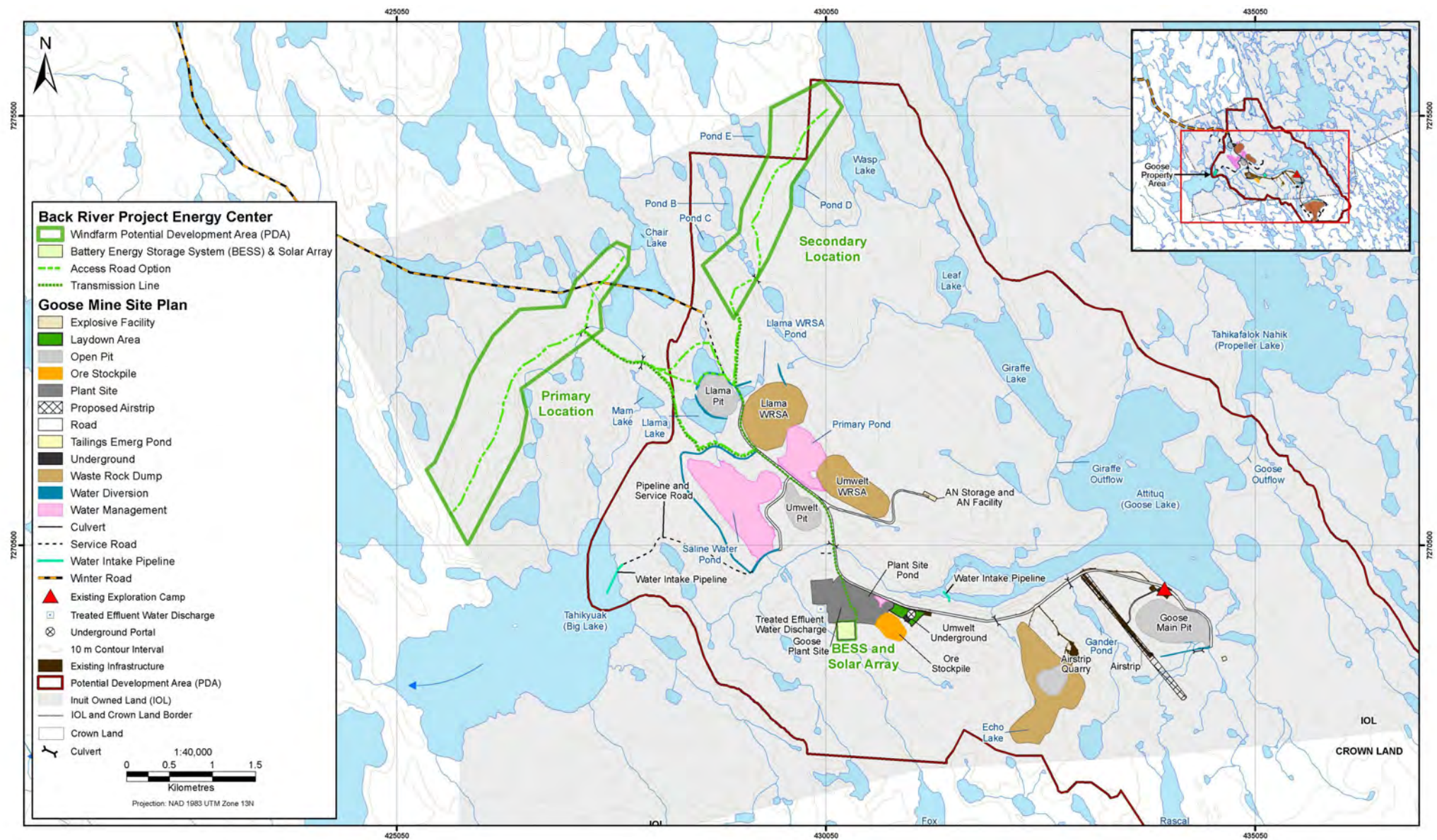


HOW HAVE WE ADDRESSED COMMENTS ABOUT THE PROJECT?



COMMENTS	WHAT HAVE WE DONE ABOUT IT?
Impacts to caribou and terrestrial wildlife	The proposed wind turbine area is located within or directly adjacent to the existing Goose mine development area; the area has not been identified as a key destination for land users and/or harvesting through TK and community engagement. To limit disturbance to caribou movement our existing wildlife monitoring and mitigation measures will be applied to the wind turbines: regional camera monitoring, collar monitoring, behavior monitoring, CTAG discussions with KIA and GN, and temporary shut-downs.
Impacts to birds	B2Gold will develop a detailed Migratory Birds Protection Plan that specifies measures designed for the protection of birds from operation of wind turbines, with additional protective measures to be implemented during periods of poor visibility within peak bird migration periods.

PROPOSED LAYOUT OF THE ENERGY CENTRE





B2GOLD

CONTACT DETAILS

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Fax: +1 604 681 6209

Email: investor@b2gold.com
Website: www.b2gold.com

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mpickard@b2gold.com

Andrew Moore, Director, Indigenous & Northern Affairs
amoore@b2gold.com

Janet Kadlun, Senior Indigenous Affairs Coordinator
jkadlun@sabinagoldsilver.com

Skye Lacroix, A/Manager, Back River IIBA, KIA
slacroix@lands.kitia.ca

Ryan Barry
A/Executive Director
Nunavut Impact Review Board
VIA EMAIL

RE: Back River Project Renewable Energy Centre proposal

Dear Mr. Barry,

The Back River Project Inuit Environmental Advisory Committee ("IEAC") was formed in early 2023. The IEAC is a requirement of the Back River Project Inuit Impact & Benefit Agreement ("IIBA") between B2Gold Corp ("B2Gold" or the "Company") and the Kitikmeot Inuit Association as outlined in IIBA Article 7 (IIBA, 2018). The IEAC is further referenced in the Back River Project Certificate as issued by the Nunavut Impact Review Board ("NIRB").

The IEAC having met in Yellowknife, NT on July 16, 2023 and having reviewed the proposed Back River Project Renewable Energy Centre ("Energy Centre") with B2Gold, writes to you today to share its support for the Energy Centre. The IEAC believes that the Energy Centre will reduce noise emissions from the Project, reduce fuel consumption, truck and ship traffic.

The IEAC believes that continued environmental monitoring of the Back River Project, and this proposed project change, will ensure that concerns related to caribou and migratory birds are actively monitored alongside the ongoing management of the Back River Project.

The IEAC therefore, encourages the NIRB to recommend to the Government of Canada that the Energy Centre be approved to proceed.

Sincerely,

Alice Ayalik

Sam Kapolak

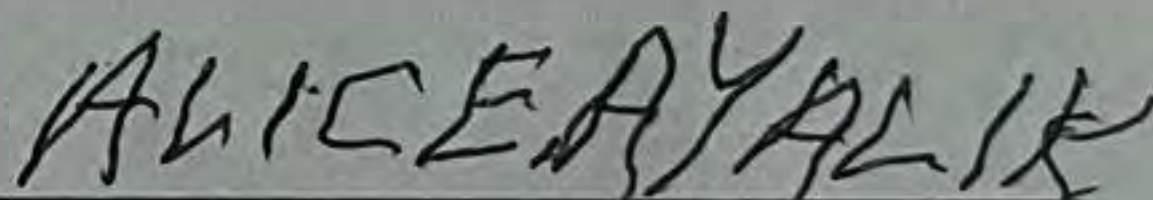
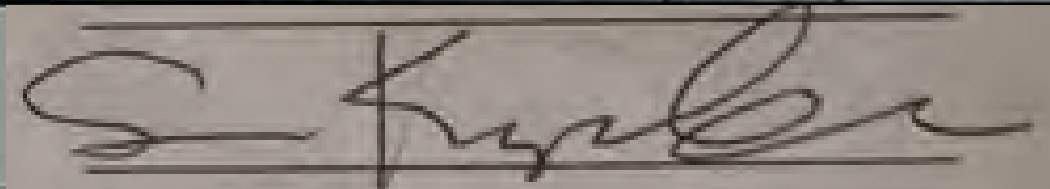


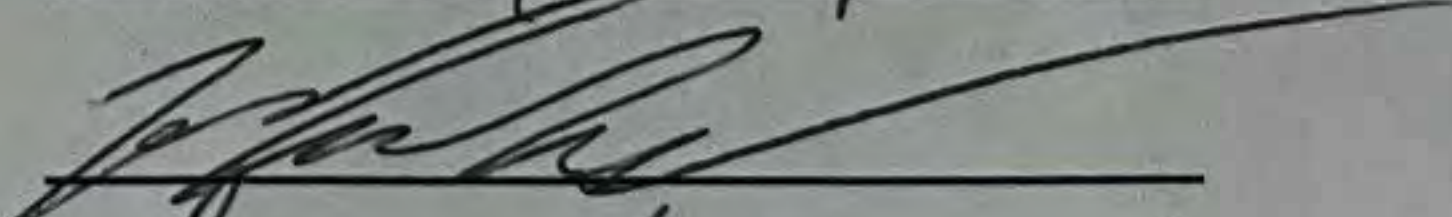
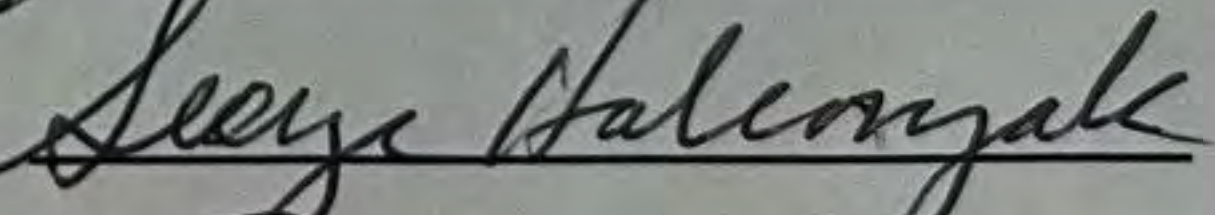
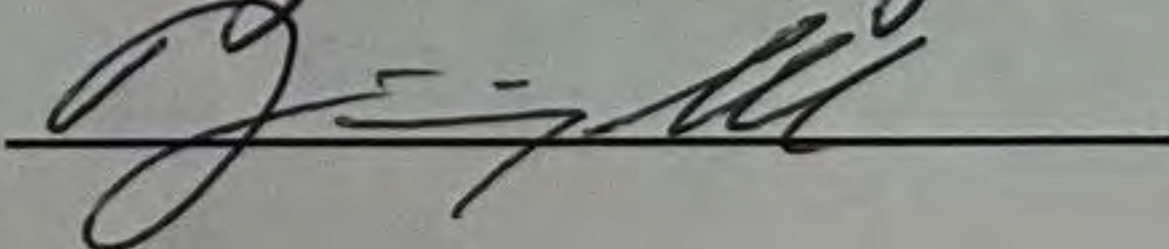
Bobby Klengenberg

Martina Kapolak

Kevin Ongahak

George Hakongak

Ryan Nvingalok

c.c. Andrew Moore, IEAC Chairperson
John Roesch, Senior Project Officer, Kitikmeot Inuit Association
Skye Lacroix, A/IIBA Manager, Kitikmeot Inuit Association

Appendix C



Back River Renewable Energy Centre

TSX **BTO**
NYSE AMERICAN **BTG**
NSX **B2G**

ATHABASCA DENESŪLINÉ NÉNÉ LAND CORPORATION (ADNLC)

SEPTEMBER 8, 2023

ACQUIRE

DISCOVER

FINANCE

BUILD

OPERATE

The background of the slide is an aerial photograph of a mining operation. A long, straight gravel road leads from a large parking lot in the foreground, filled with numerous yellow and white trucks, towards a distant horizon. The landscape is flat and green, with a winding river or stream on the left side. The sky is blue with scattered white clouds. A large, dark, triangular graphic element with a green aurora-like glow is positioned in the upper right corner. The bottom right corner features a pattern of white triangles on a yellow background.

B2GOLD CORP. INTRODUCTION

SABINA GOLD & SILVER ACQUISITION



B2Gold Acquisition

- ◆ April 2023, B2Gold Corp. acquired Sabina Gold & Silver Corp. and the Back River Gold District
- ◆ B2Gold Corp. is now the owner and operator of the Back River Gold District
- ◆ B2Gold is a low-cost international senior gold producer headquartered in Vancouver
- ◆ Founded in 2007, today, B2Gold has three operating gold mines and numerous development and exploration projects in various countries including Mali, the Philippines, Namibia, Canada, Colombia, Finland and Uzbekistan
- ◆ Commitment to **ongoing environmental stewardship** of the Project area and **community and Inuit engagement** remains the same

Vision & Values

Raising the Bar

- ◆ At B2Gold, we continue to recognize that responsible environmental stewardship and social responsibility are integral components of business in today's world. We have recognized as corporate priorities, environmental management and the support of local communities, and we integrate environmental and social factors in the decision-making process for the Company and its subsidiaries. As we continue to develop and build on our existing exploration assets and pursue additional opportunities around the world, we will remain committed to maintaining the high standards of environmental stewardship and social responsibility that we have established.

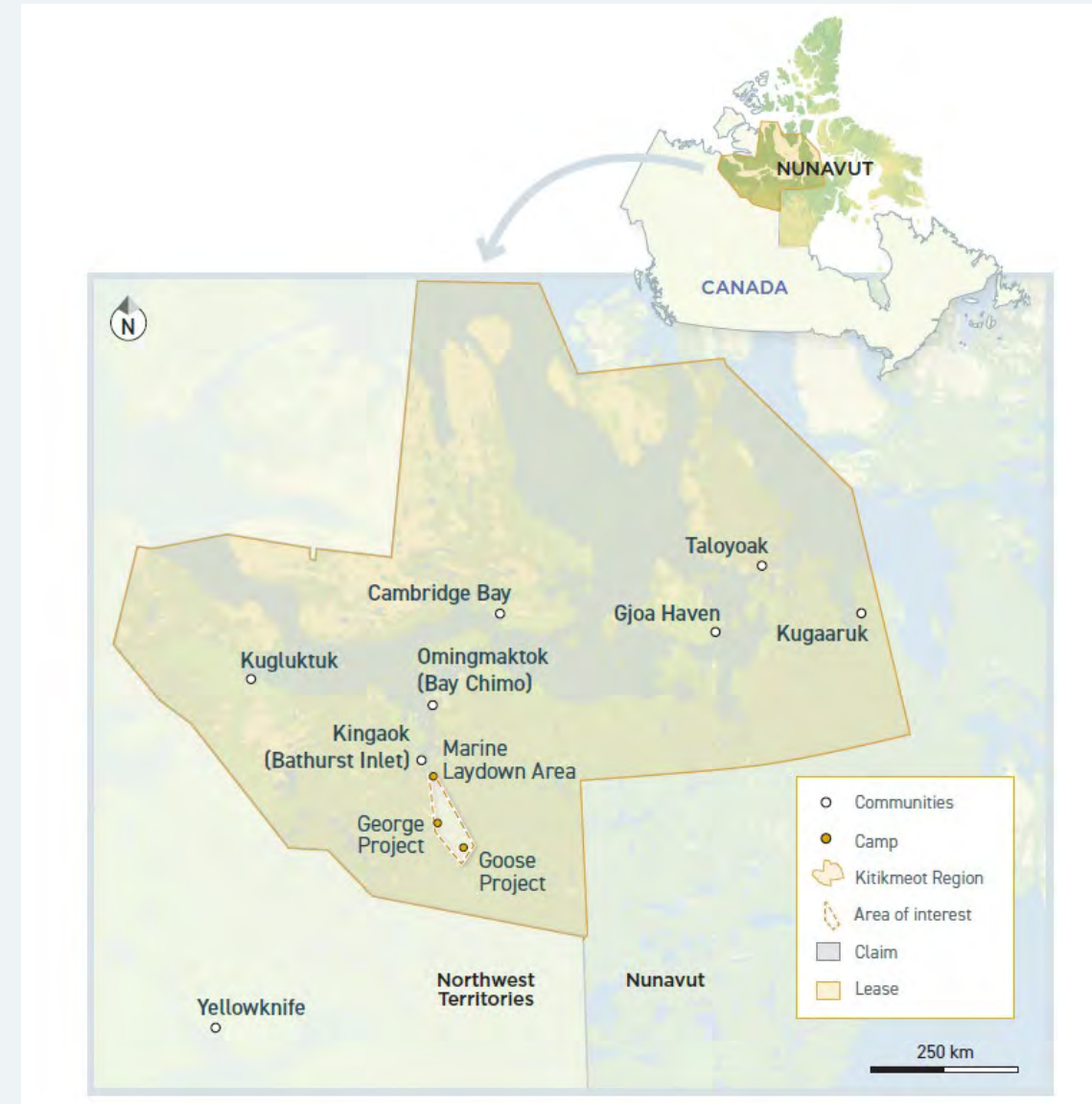


BACK RIVER PROJECT UPDATE

BACK RIVER GOLD DISTRICT



- ◆ 5 mineral claim blocks on the 80km belt
- ◆ Most advanced is Goose –initial mine –8km of iron formation
- ◆ Second most advanced is George –50 km from Goose – 20 km of iron formation
- ◆ Significant resources at Goose outside of the feasibility offer many years of extended mine-life



GOOSE PROJECT

Project Overview

- ◆ Project Certificate Issued by the Nunavut Impact Review Board December 2017
- ◆ Framework Agreement for the Back River Project signed with KIA April 2018
- ◆ Established large high-grade reserves and resources
- ◆ Set to produce ~300k oz Au over 15 years via open pit and underground operations
- ◆ Anticipated operations workforce of ~500 persons for life of mine
- ◆ Kitikmeot Qualified Business Registry key to procurement practices and activities
- ◆ Industry leading, and award-winning Caribou mitigations in place



Requirements for safe driving on the Winter Ice Road

Sharing the Road with Caribou



1 WATCH FOR WILDLIFE
Caribou always have right-of-way on all roads.

2 SLOW TRAVEL
Limit heavy vehicle speed to **30 km/hr.**



Limit passenger vehicle & snowmobile speed to **60 km/hr.**



3 SLOW, STOP, STAY
December 1st to April 15th
*Operators to scan for wildlife prior to equipment entering on-ice segments of WIR.

<500m from the road: Slow to <30 km/h

<50m from the road with intent to cross: Stop for 20 minutes

On the road: Stop and wait
You may not proceed until the caribou are clear of the road and moving away.

4 SIGHTINGS? SAY SO!
Report all wildlife observations in the wildlife incidental logs.



Requirements for safe driving on the Winter Ice Road

Sharing the Road with Caribou



1 WATCH FOR WILDLIFE
Caribou always have right-of-way on all roads.

2 SLOW TRAVEL
Limit heavy vehicle speed to **30 km/hr.**



Limit passenger vehicle & snowmobile speed to **60 km/hr.**



3 SLOW, STOP, STAY
After April 15th
*Operators to scan for wildlife prior to equipment entering on-ice segments of WIR.

>500m from the road: Slow to <30 km/h

<500m from the road with intent to cross: Stop for 20 minutes

On the road: Stop and wait
You may not proceed until the caribou are clear of the road and moving away.

4 SIGHTINGS? SAY SO!
Report all wildlife observations in the wildlife incidental logs.



BACK RIVER GOLD DISTRICT – Goose Project

On Track for Mill Completion in Q1 2025



2022 & EARLIER

2023

2024

Q1 2025



Winter Ice Road

- > 163 km road completed and fully functional
- > Operates between December – May; fully dedicated to Back River Gold District Development

Fully Functional Port

- > 2022 sealift completed with ~12,500 Mt of dry goods received
- > ~10 million litres of diesel fuel offloaded

Infrastructure and Early Works

- > Procurement is nearly complete
- > Two 10 million litre fuel tanks constructed at Port and Goose
- > Pre-stripping commenced at Echo Open Pit

Full Construction (2023 – 2024)

- > Full construction began in 2023
- > Continue pre-stripping of Echo pit with waste / ore stockpiling
- > Concrete / steel works to start in Summer 2023, with focus on building envelopes, frames, and concrete
- > Balance of Installation, Implementation, Commissioning to be completed in 2024

Infrastructure (2023)

- > Winter ice road forward camp and road base improvement program in progress
- > Construction of Water Management Facility
- > Complete accommodation facilities

Scheduled Deliveries

- > Mar - April 2023: Winter Ice Road deliveries (**COMPLETED**)
- > Aug - Oct 2023: Second Sealift
- > Feb - April 2024: Second Winter Ice Road deliveries

Completion



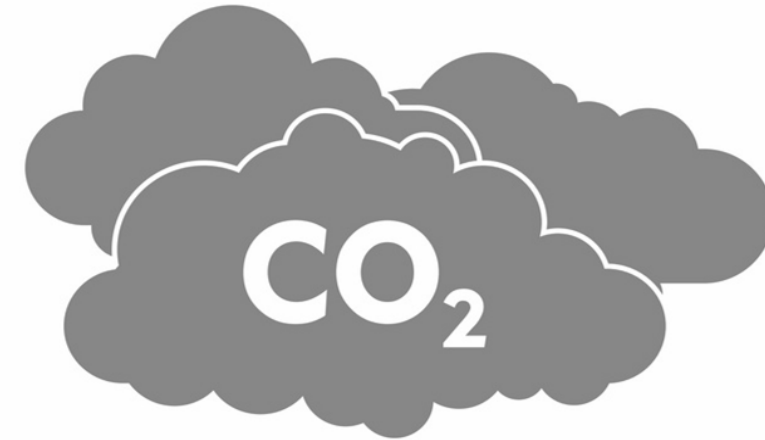
< COMPLETED

IN PROGRESS >

Back River Energy Centre

WHY A RENEWABLE ENERGY CENTRE?

- Wind/solar power are proven reliable energy sources and could be the primary power generation technology for the Goose Mine.
- Through studies done to date, the area around the Goose Mine will be a great source of wind power.
- Introducing renewable energy use will:
 - Reduce carbon emissions
 - Reduce diesel consumption
 - Reduce winter road traffic
 - Reduce the risk of fuel spills

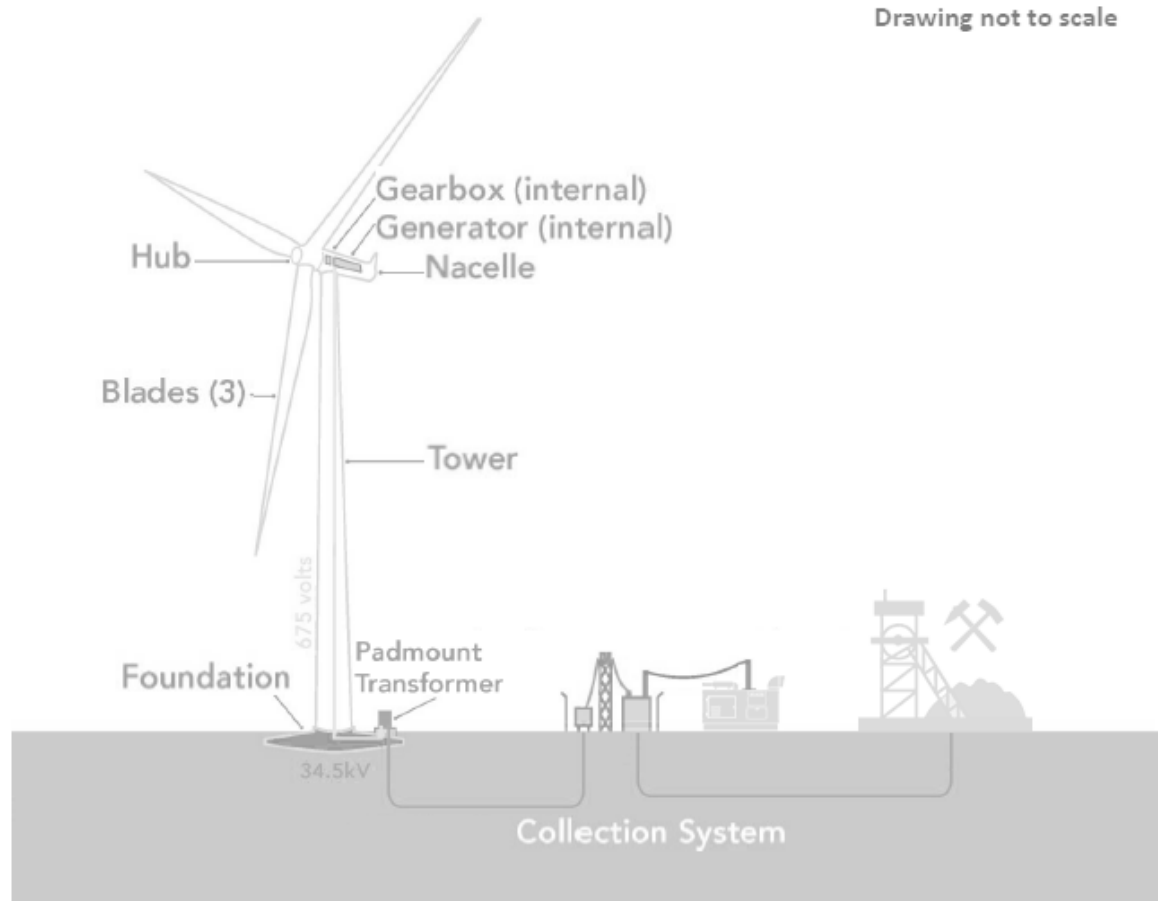


Reduction of over 30,000 tonnes of
carbon dioxide

Greater than 50% reduction in diesel fuel
usage (over 10 millions litres)

NOTE: Based on an annual average electrical demand of 10 MW

HOW DO WIND TURBINES GENERATE ELECTRICITY?



- Wind turbines capture kinetic energy in surface winds and convert it into electrical energy using large blades mounted on tall towers
- As wind moves over turbine blades, it causes 'lift' – The same effect used by airplane wings
- Lift makes the blades rotate, which turns a shaft
- The turning shaft creates electricity within a generator, which in turn creates electricity that can be sent to the Goose Mine

BACK RIVER ENERGY CENTRE PROJECT

The Back River Project Energy Centre, a wind generation facility, solar panel array and Battery Energy Storage System, capable of supplying clean energy to the Back River Project Mine.

Up to **13** planned
Wind Turbine Generators.

Between
4.0 and 4.5 MW
power capacity per wind turbine giving
the system a generation capacity of
approximately 55 MW of electricity,
which is sufficient to cleanly power
the Back River Project Mine.

Hub Height 111 m

Rotor Length 69 m

Rotor Diameter 138 m

**Solar Array and
Electrical Station**
will be located near the
Diesel Power Plant.

Electrical transmission lines will be laid di-
rectly on the tundra and/or laid directly adjacent to
the access roads and covered with aggregate.

Solar panels may also be added.

Additional electricity generated by the wind turbines and solar array will be stored by the
Battery Energy Storage System. The Battery Energy Storage System consists of
lithium-ion batteries stored in a seacan on an aggregate pad and will be capable of stor-
ing energy to be used at times when wind and solar energy is not available.

Approximately
500 m
between wind turbines.

KEY MITIGATION

- Noise will attenuate to 45 db by 500 m, which will not disturb animals (see Noise to right).
- The wind towers will be shut down when groups of caribou approach during sensitive seasons.
- Behavioural and avoidance monitoring will determine if caribou are bothered by the wind tower and allow for adaptive management.
- The wind towers will be shut down during peak bird migration, at night during fog – research worldwide has shown that this combination of conditions can be dangerous for birds around wind towers.
- Monitoring will look for bird mortalities due to the wind towers and allow for adaptive management.

BENEFITS



Reduction of up to
**~700 fuel
truck trips
per year**

Reduction of
**~15% sealifts
per year**

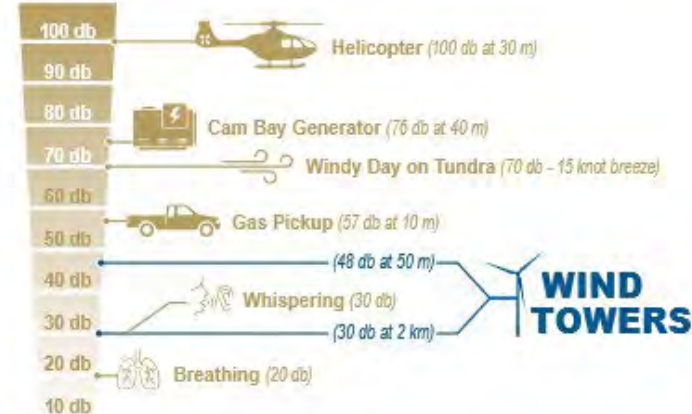


**~50%
less fuel per year**

**~50%
less greenhouse
gas emissions**

NOISE

Sabina conducted noise modeling to determine how loud the wind towers will be at various distances. Noise is measured in decibels (db) which is a logarithmic scale. That means the noise you hear doubles with every 7 db.

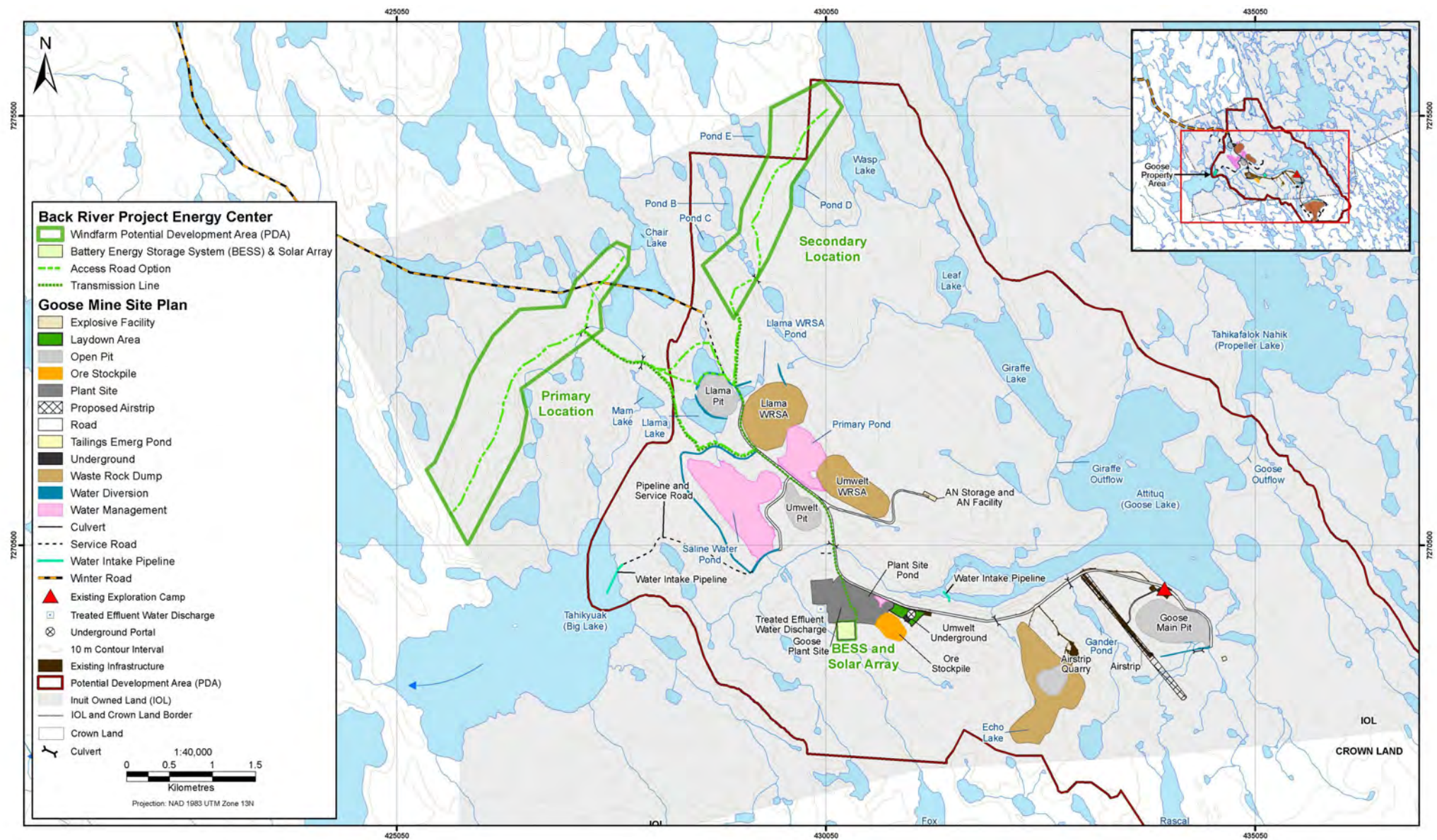


At 500 m from the wind towers, the noise will be similar to a person talking quietly and barely above the noise of a typical day on the tundra.

HEIGHT COMPARISON



PROPOSED LAYOUT OF THE ENERGY CENTRE



The background of the slide is an aerial photograph of a mining site. A long, straight gravel road runs from the bottom left towards the center of the image. Along the left side of the road, there is a large parking lot filled with many yellow and white trucks. At the end of the road, there is a small building with a red roof. The surrounding landscape is a vast, flat, greenish-brown area with several small, irregularly shaped ponds or lakes scattered across it. The sky is blue with some white clouds. In the top right corner, there is a black triangular graphic with a green aurora-like light effect. In the bottom right corner, there is a white triangular graphic with a yellow geometric pattern of nested triangles.

Comments about the Proposed Project Modification

HOW HAVE WE ADDRESSED COMMENTS ABOUT THE PROJECT?



COMMENTS	WHAT HAVE WE DONE ABOUT IT?
Impacts to caribou and terrestrial wildlife	The proposed wind turbine area is located within or directly adjacent to the existing Goose mine development area; the area has not been identified as a key destination for land users and/or harvesting through TK and community engagement. To limit disturbance to caribou movement our existing wildlife monitoring and mitigation measures will be applied to the wind turbines: regional camera monitoring, collar monitoring, behavior monitoring, CTAG discussions with KIA and GN, and temporary shut-downs.
Impacts to birds	B2Gold will develop a detailed Migratory Birds Protection Plan that specifies measures designed for the protection of birds from operation of wind turbines, with additional protective measures to be implemented during periods of poor visibility within peak bird migration periods.

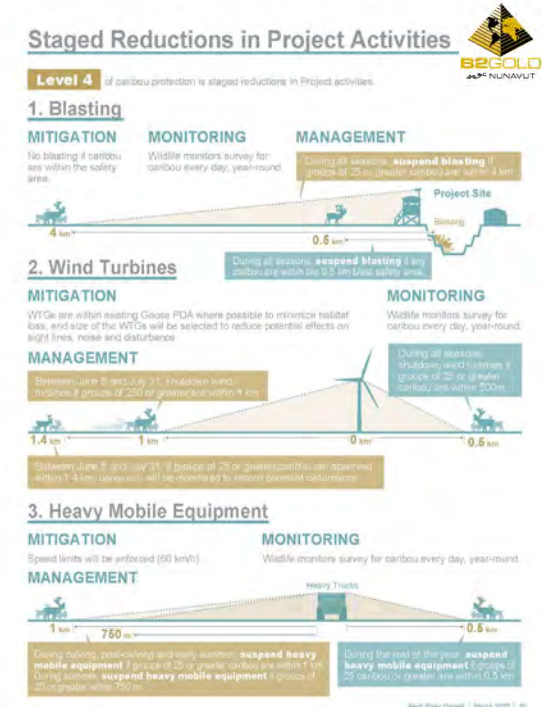
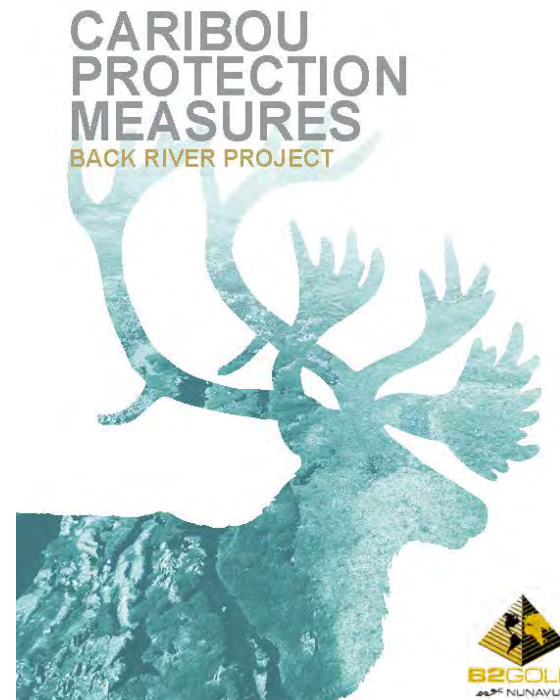
An aerial photograph of a mining operation in a vast, flat, green landscape. A long, straight dirt road runs from the bottom left towards the center. Along the road, there is a large parking lot filled with many yellow and white trucks. A small white building with a red roof is situated near the trucks. The landscape is dotted with small, irregular ponds or wetlands. In the top right corner, there is a black triangular overlay with a green aurora-like light effect. The bottom right corner features a white triangular overlay with a repeating pattern of yellow-outlined triangles.

Questions?

Appendix

Caribou Mitigation - Overview

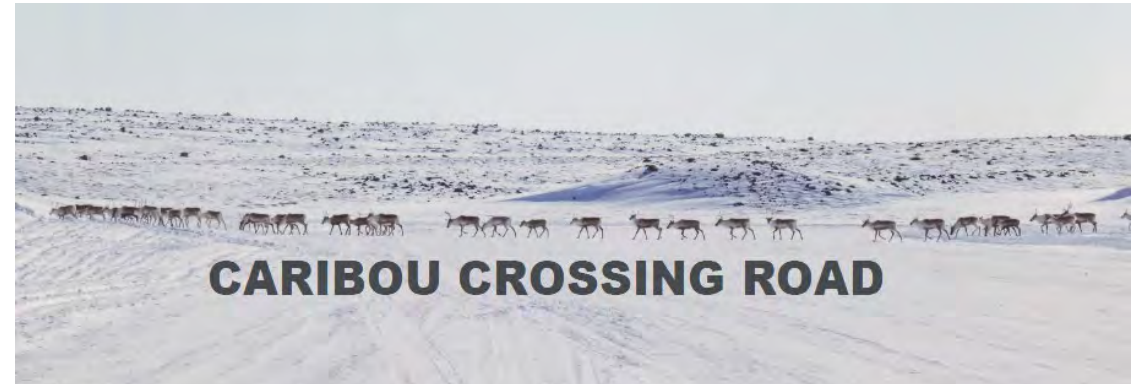
- ◆ B2Gold Nunavut worked with communities, Inuit associations, government, and other stakeholders to generate industry-leading caribou protection measures that reduce any potential effect on caribou. Back River Project would not be permitted without these measures, and compliance with these measures are key to maintaining our permits and social license.
- ◆ B2Gold Nunavut worked closely with the Kitikmeot Inuit Association to understand and document Traditional Knowledge of the Project area and the wildlife and people who depend on it.
- ◆ Our levels of caribou protection measures range from site notifications and alerts as caribou migration seasons and individuals approach our project site, to staged, rapid, and planned operational shutdowns of activities such as blasting, heavy mobile equipment, helicopters, fixed-wing aircraft, etc..



Caribou Mitigation – 2023 Winter Ice Road and Monitoring



- ◆ B2Gold Nunavut works collaboratively with the Kitikmeot Inuit Association and the Government of Nunavut to design, improve, and implement the management and monitoring programs that keep caribou safe and reduce risk.
 - > In 2023, we monitored caribou along the Winter Ice Road to ensure that our road management systems are working so that caribou can cross.
- ◆ Our monitoring team of an Inuk land-user and a wildlife biologist surveyed the road and recorded groups of caribou ranging up to 12,000 estimated individual animals.
- ◆ Our drivers are trained to respect caribou, respect driving speeds, implement truck convoys, report observations, and respect the mitigation measures in place on our WIR.
- ◆ Snowbanks are managed to below 1m to allow caribou to cross and are routinely maintained after a snowfall or blizzard.





COMMENTS	B2Gold Response
Wind Turbine Mitigation and Monitoring for Sensory Disturbance	<p>The distance of 1 km was used because at this distance, the noise modeling indicates that noise from the turbines will have dropped below ambient noise conditions.</p> <p>Mitigation measures for caribou have already been discussed, for the Project as a whole and are being adapted for the proposed windfarm.</p> <ul style="list-style-type: none">• During the FEIS review it was suggested by government that mitigation may be triggered during the calving and post-calving seasons when a certain density of caribou were observed near the Project site. Within the study area surrounding the Mine Site, this translates into a group of caribou exceeding 250 animals.• The group size of 25 animals was taken from research conducted by the GNWT that indicated that groups of greater than 30 caribou responded more strongly to disturbances than smaller groups. During review of the FEIS, the GN requested that this number be reduced to 25 animals and the company and KIA agreed to this number following the precautionary principle.



COMMENTS	B2Gold Response
Stress Hormone Study	<p>A stress hormone study was requested during the review of the FEIS for the Back River Project. B2Gold agreed to complete this study during one year of operation. After the study has been conducted, the stress response will be examined and discussed with the CTAG and the Inuit Environmental Advisory Committee; however, no additional commitments will be made to conduct this study in perpetuity prior to seeing the results.</p>



B2GOLD

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