ᓱᓕ ᐊᐱᖁᑎᒃᓴᖃᕈᕕᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ ᓄᓇᒥᑦ

ᐆᒻᒪᖁᑎᖃᐅᑎᖃᕐᓂᖅ? ᐊᐱᕆᑎᒍᑦ ᐅᕘᓇ:

Still have questions about
renewables? Ask us at:

www.nunavutcleanenergy.ca

nnc@qcorp.ca

Nunavut Nukkiksautiit Corporation

Nunavut Nukkiksautiit Corporation Scan for more information
on Sanirajak renewables

ᐊᔾᔨᓕᐅᕐᓗᒍ ᑐᑭᓯᒋᐊᒃᑲᓐᓂᕈᒪᒍᕕᑦ
ᓴᓂᕋᔭᖕᒥ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ

1. Wind Only
2. Hybrid (Solar + Wind)
3. Solar Only

1. ᐊᓄᕆᑐᐊ

2. ᐃᒃᑭᖐᔭᖅᓯᒪᔪᖅ (ᐊᓄᕆ + ᓯᕿᓂᕐᒥᑦ)
3. ᓯᕿᓂᖕᒨᖅᑐᑐᐊᑦ

ᓴᓂᕋᔭᖕᒥ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᑦ ᐆᒻᒪᖅᑯᑎᓄᑦ ᐱᓕᕆᐊᒃᓴᑦ

Sanirajak Renewable
Energy Project Options

Sanirajak’s
Energy Future

ᓴᓂᕋᔭᖕᒥᑦ

ᐆᒻᒪᖅᑯᑎᓕᕆᓂᕐᒧᑦ

ᓯᕗᓂᒃᓴᑦᑎᓐᓂᒃ

2. ᐃᒃᑭᖐᔭᖅᓯᒪᔪᖅ
Hybrid

1. ᐊᓄᕆ
Wind

3. ᓯᕿᓂᕐᒥᑦ ᐆᒻᒪᖅᑯᑎᑖᕐᓂᖅ
Solar

ᓄᓇᕗᒻᒥ ᓄᑭᒃᓴᐅᑏᑦ ᑯᐊᐳᕇᓴᒃᑯᑦ ᓄᓇᕗᒻᒥ
ᓯᕗᓪᓕᖅᐹᖑᓪᓗᓂ 100% ᐃᓄᐃᑦ−ᓇᖕᒥᓂᕆᔭᖓᓂ ᐆᒻᒪᖅᑯᑎᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᔨ. ᓄᑭᒃᓴᐅᑏᑦ
ᑯᐊᐳᕇᓴᒃᑯᑦ ᓄᓇᕗᒻᒥ ᐱᓕᕆᖃᑎᖃᖅᐳᑦ
ᓴᓂᕋᔭᖕᒥᐅᓂᒃ ᓴᓇᔪᒪᓪᓗᑎᒃ ᐊᓯᔾᔨᒋᐊᒐᒃᓴᐅᔪᒥᒃ ᐆᒻᒪᖅᑯᒻᒥᒃ ᐱᓕᕆᐊᖑᔪᒥᒃ ᐊᑐᕈᓐᓃᖅᑎᑦᑎᔪᒪᓪᓗᑎᒃ ᐅᖅᓱᐊᓗᖕᒥᒃ, ᐱᐅᓯᒋᐊᖅᑎᑦᑎᔪᒪᓂᕐᒧᓪᓗ
ᐆᒻᒪᖅᑯᒻᒥᒃ ᐱᒋᔭᐅᓂᖓᓂᒃ. ᖃᐅᓱᐃᑦᑐᕐᒥᐅᑦ
ᐅᖃᐅᔾᔭᐅᔭᕆᐊᖃᖅᐳᒍᑦ ᓇᓕᐊᒃ ᓇᓕᕌᕈᑎᒃᓴᓂᑦ ᖃᐅᔨᓴᒃᑲᓐᓂᖁᔨᖕᒪᖔᑕ!

Nunavut Nukkiksautiit Corporation
is Nunavut’s first 100% Inuit-owned energy developer. NNC is working with the community of Sanirajak to build a renewable energy project to displace diesel, and improve energy sovereignty. We need Sanirajarmiut to tell us which option they want us to study further!

ᐊᓄᕆᑐᐊ ᐃᒃᑭᖐᔭᖅᓯᒪᔪᖅ ᓯᕿᓂᖕᒨᖅᑐᑐᐊᑦ Wind Only Hybrid Solar Only

ᐊᔪᕐᓇᙱᓐᓂᖅᐹᖅ ᐃᓕᐅᖅᑲᖅᑕᐅᓂᖓ ᐊᑭᑭᓛᕐᓗ
ᑲᒪᒋᔭᐅᕙᖕᓂᖓ
Easiest installation and lowest
maintenance

ᐆᒻᒪᖅᑯᑎᑐᕐᔪᐊᖅᑐᑦ ᓴᓇᔭᐅᔪᑦ ᐊᐅᔭᒃᑯᑦ

High energy production during summer

ᓂᐱᖃᙱᓪᓗᓂ ᑕᑯᒃᓴᐅᓗᐊᙱᓪᓗᓂᓗ
No noise and not as visible from afar

ᐊᑭᑭᓛᖅ ᐅᖅᓱᐊᓗᖕᒧᑦ ᐋᖅᑭᒋᐊᕈᑕᐅᔪᖅ
30%−ᑐᐃᓐᓇᖓ ᐆᒻᒪᖅᑯᑎᑐᕆᐊᖃᖅᖢᓂ
ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓄᑦ
Lowest diesel offset: less than 30% of
energy demand met by renewables

ᐅᔾᔨᖅᓱᑦᑎᐊᕐᓗᑎᑦ ᐃᓂᒃᓴᑦᑎᐊᕙᖕᒥᒃ ᕿᓂᕐᓗᑎᑦ
ᐸᐅᕋᐅᔭᕐᓄᑦ

Very little energy produced in the winter

ᓯᕿᓂᕐᒥᑦ ᐆᒻᒪᖅᑯᑎᑖᕐᓂᖅ ᐊᓄᕆᒥᑦ
ᐊᑐᕐᓂᖃᕈᓐᓇᑦᑎᐊᖏᑦᑐᖅ

Solar has a lower efficiency than wind

54%

ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ
ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒻᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption
for Electricity Generation

54%

ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ
ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒻᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption
for Electricity Generation

29%

ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ
ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒻᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption
for Electricity Generation

54% ᐆᒻᒪᖅᑯᑎᑐᕆᐊᖃᓪᓚᕆᒃᑐᑦ ᓈᒻᒪᒃᑐᒦᑉᐳᑦ
ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ

54% of energy demand met by renewables

ᐊᓄᕆᕐᔪᐊᑐᐃᓐᓇᕆᐊᓕᒃ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ,
ᑕᐃᒪᐃᑦᑕᐃᓇᓕᕿᔪᒥᒃ ᐆᒻᒪᖅᑯᑎᒥᒃ ᐊᕐᕌᒍᓕᒫᒥ ᐊᒻᒪᓗ
24-ᓄᑦ ᐃᑲᕐᕋᓄᑦ ᐅᓪᓗᒧᑦ

High wind potential in the Arctic, with
consistent energy year round and 24 hours a
day

ᐊᓄᕆ ᐃᖏᕐᕋᑦᑎᐊᕐᓂᖅᓴᐅᕗᖅ ᓯᕿᓂᕐᒥᑦ

ᐆᒻᒪᖅᑯᑎᑖᖅᐸᒍᓐᓃᖅᖢᓂ
Wind is more efficient than solar

ᖃᐅᔨᓴᒃᑲᓐᓂᕆᐊᓖᑦ ᑐᑭᓯᓇᓱᒡᓗᑎᒃ
ᐊᒃᑐᐃᓂᐅᑐᐃᓐᓇᕆᐊᓕᖕᓂᑦ ᑎᖕᒥᐊᓂᑦ

More studies required to understand potential impact on birds

ᓂᐱᑭᓐᓂᖅᓴᐅᓪᓗᓂ ᐃᒐᓯᐅᑎᒥᑦᓇᒦᓐᓂᖏᓐᓂᒡᓗᓂᕈᐊᖅ ᑕᐅᓚᐅᖅᑐᑦᒪᓕᒃᖢᑎᒃᓄᓇᓕᖕᓂᑦᑐᓴᖅᑕᓂᑦᐊᒃᑐᐃᓗᐊᖁ ᓇᒍᐃᓄᖕᓂᑦᐆᒪᔪᓂᒡᓗ

Quieter than diesel and locations were chosen based on community feedback to minimize
impact to people and wildlife

54% ᐆᒻᒪᖅᑯᑎᑐᕆᐊᖃᓪᓚᕆᒃᑐᑦ ᓈᒻᒪᒃᑐᒦᑉᐳᑦ
ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ

54% of energy demand met by renewables

ᑕᐃᒪᐃᑦᑕᐃᓇᓕᕿᔪᒥᒃ ᐆᒻᒪᖅᑯᑎᒥᒃ ᐊᕐᕌᒍᓕᒫᖅ:
ᑕᑎᒋᔭᒃᓴᐅᔪᖅ, ᐊᓯᔾᔨᑲᑕᙱᓐᓂᖅᓴᐅᓗᓂ

Consistent energy all year round: highly
reliable, less fluctuation

ᖃᐅᔨᓴᒃᑲᓐᓂᕆᐊᓖᑦ ᑐᑭᓯᓇᓱᒡᓗᑎᒃ
ᐊᒃᑐᐃᓂᐅᑐᐃᓐᓇᕆᐊᓕᖕᓂᑦ ᑎᖕᒥᐊᓂᑦ

More studies required to understand potential impact on birds

ᓂᐱᑭᓐᓂᖅᓴᐅᓪᓗᓂ ᐃᒐᓯᐅᑎᒥᑦᓇᒦᓐᓂᖏᓐᓂᒡᓗᓂᕈᐊᖅ ᑕᐅᓚᐅᖅᑐᑦᒪᓕᒃᖢᑎᒃᓄᓇᓕᖕᓂᑦᑐᓴᖅᑕᓂᑦᐊᒃᑐᐃᓗᐊᖁ ᓇᒍᐃᓄᖕᓂᑦᐆᒪᔪᓂᒡᓗ

Quieter than diesel and locations were chosen based on community feedback to minimize
impact to people and wildlife

ᐊᑭᑐᓂᕐᓴᖅ ᐆᒻᒪᖅᑯᑎᓄᑦ ᐊᓄᕆᑐᐊᒧᑦ

Higher cost of energy compared to wind-only

1 2 3 ᑕᑯᒃᓴᐅᔪᑦ ᐊᑐᖅᑕᐅᖔᕈᓐᓇᖅᑐᑦ
Most Viable Option

ᐊᑐᓗᐊᙱᓐᓂᖅᓴᖅ

Less Viable

ᐊᑐᓗᐊᙱᓐᓂᖅᓴᖅ

Less Viable