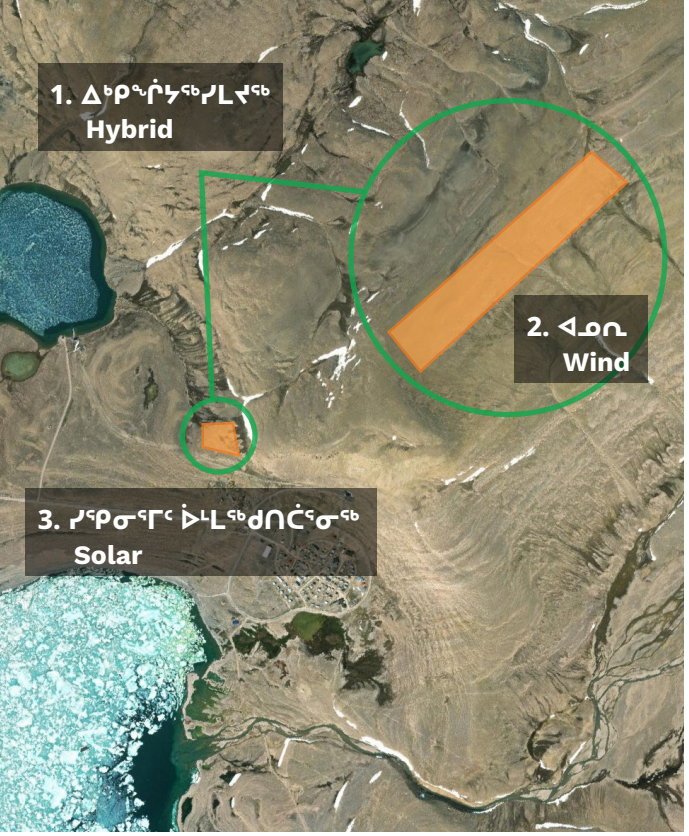


ᖃᐅᔨᐃᑦᑐᒥ ᐊᓯᔾᔨᒋᐊᒐᒃᓴᐅᔪᖅ ᐆᒪᖅᑯᑎᓄᑦ ᐱᓕᕆᐊᒃᓴᖅ ᓇᓃᕋᖅᑕᐅᔪᓐᓇᖅᑐᖅ

Resolute Bay Renewable Energy Project Options

1. ᐃᒃᑭᖕᒋᔭᖅᓯᒪᔪᖅ (ᐊᓄᓇ + ᓯᕿᓂᕐᒥᑦ)
2. ᐊᓄᓇᑐᐊ
3. ᓯᕿᓂᖕᒧᖅᑐᑐᐊᑦ

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

ᐊᔾᔨᓕᐅᕐᓗᒍ ᑐᑭᓯᒋᐊᒃᑲᓐᓂᕈᒪᒍᕕᑦ
ᖃᐅᔨᐃᑦᑐᒥ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ

Scan for more information on Resolute Bay renewables

ᓄᓇᕗᒻᒥ ᓄᑭᒃᓴᐅᑏᑦ ᑯᐊᐳᕇᓴᒃᑯᑦ ᓄᓇᕗᒻᒥ ᓯᕗᓪᓕᖅᐹᖕᒍᓪᓗᓂ 100% ᐃᓄᐃᑦ-ᓇᖕᒥᓂᕆᔭᖕᒐᓂ ᐆᒪᖅᑯᑎᒥᒃ ᐱᕙᓪᓕᐊᑎᑦᑎᔨ. ᓄᑭᒃᓴᐅᑏᑦ ᑯᐊᐳᕇᓴᒃᑯᑦ ᓄᓇᕗᒻᒥ ᐱᓕᕆᖃᑎᖃᖅᐳᑦ ᖃᐅᔨᐃᑦᑐᒥᐅᓂᒃ ᓴᓇᔪᒪᓪᓗᑎᒃ ᐊᓯᔾᔨᒋᐊᒐᒃᓴᐅᔪᒥᒃ ᐆᒪᖅᑯᒻᒥᒃ ᐱᓕᕆᐊᖑᔪᒥᒃ ᐊᑐᕈᓐᓃᖅᑎᑦᑎᔪᒪᓪᓗᑎᒃ ᐅᖅᓱᐊᓗᖕᒥᒃ, ᐱᐅᓯᒋᐊᖅᑎᑦᑎᔪᒪᓂᕐᒧᓪᓗ ᐆᒪᖅᑯᒻᒥᒃ ᐱᒋᔭᐅᓂᖕᒐᓂᒃ. ᖃᐅᔨᐃᑦᑐᕐᒥᐅᑦ ᐅᖃᐅᔾᔭᐅᔭᕆᐊᖃᖅᐳᒍᑦ ᓇᓕᐊᒃ ᓇᓕᕋᕈᑎᒃᓴᓂᑦ ᖃᐅᔨᓴᒃᑲᓐᓂᕐᑯᔨᖕᒪᖔᑕ!

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

ᓱᓕ ᐊᐱᕐᑯᑎᒃᓴᖃᕈᕕᑦ ᐱᔾᔪᑎᒋᓪᓗᒍ ᓄᓇᒥᑦ ᐆᒪᕐᑯᑎᖃᐅᑎᖃᕐᓂᖅ? ᐊᐱᕆᑎᒍᑦ ᐅᕗᓇ:

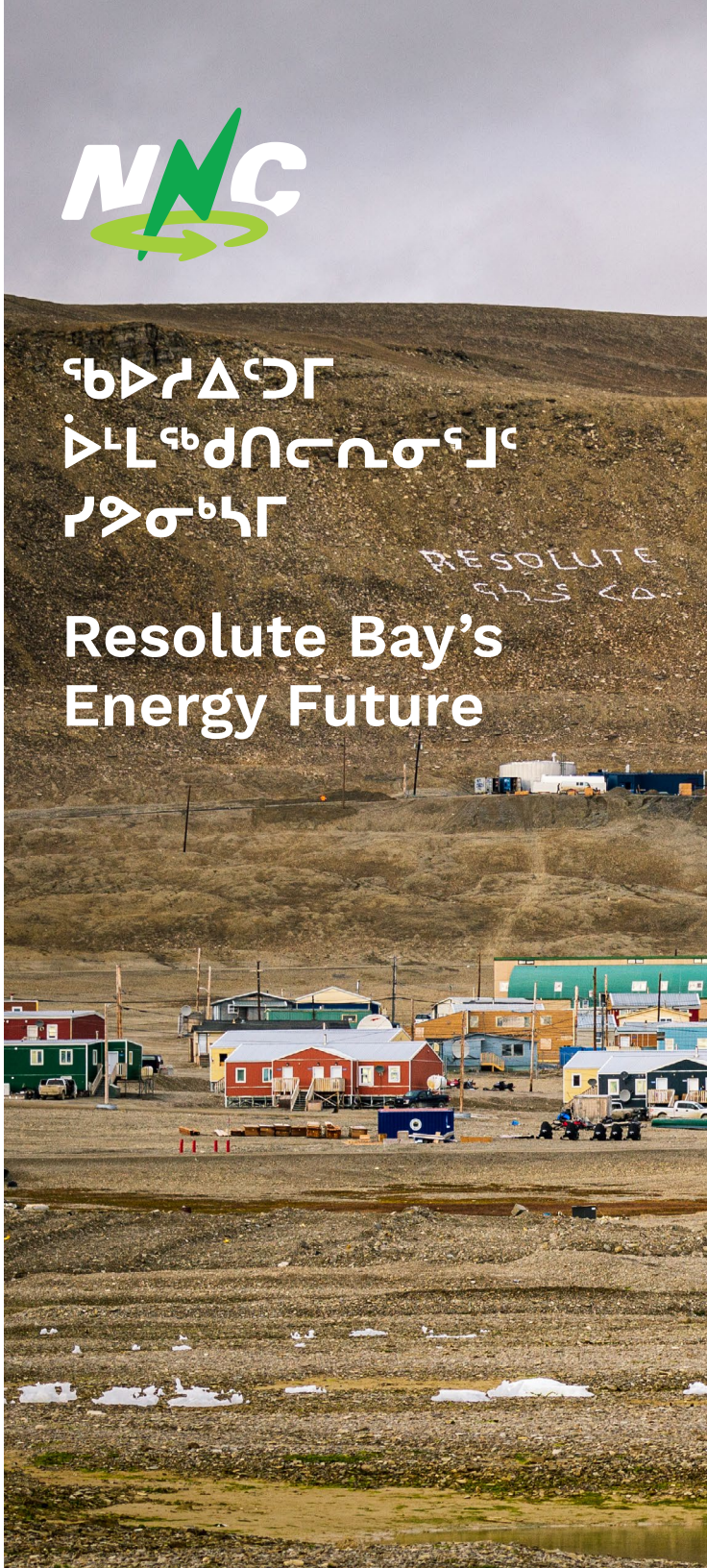
Still have questions about renewables? Ask us at:

www.nunavutcleanenergy.ca

nnc@qcorp.ca

Nunavut Nukkiksautiit Corporation

Nunavut Nukkiksautiit Corporation



ᖃᐅᔨᐃᑦᑐᒥ ᐆᒪᖅᑯᑎᓕᕆᓂᕐᒧᑦ ᓯᕗᓂᒃᓴᒥ

Resolute Bay's Energy Future

1 ᑕᑯᒃᓴᐅᔪᑦ ᐊᑐᖅᑕᐅᖕᒫᕈᓐᓇᖅᑐᑦ
Most Viable Option

ᐃᒃᑭᖕᒋᔭᖅᓯᒪᔪᖅ
Hybrid

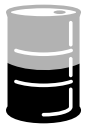
- 51% ᐆᒪᖅᑯᑎᑐᕆᐊᖃᑦᓚᕆᒃᑐᑦ ᓈᒻᒪᒃᑐᒦᑉᐳᑦ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ
  51% of energy demand met by renewables
- ᑕᐃᒪᐃᑦᑕᐃᓇᓕᕿᔪᒥᒃ ᐆᒪᖅᑯᑎᒥᒃ ᐊᕐᕌᒍᓕᒫᖅ: ᑕᑎᒋᔭᒃᓴᐅᔪᖅ, ᐊᓯᔾᔨᑲᑕᙱᓐᓂᖅᓴᐅᓗᓂ
  Consistent energy all year round: highly reliable, less fluctuation
- ᐱᐅᓛᖅ ᐊᑭᖓ
  Best Value
- ᖃᐅᔨᓴᒃᑲᓐᓂᕆᐊᓖᑦ ᑐᑭᓯᓇᓱᒃᓗᑎᒃ ᐊᒃᑐᐃᓂᐅᑐᐃᓐᓇᕆᐊᓕᖕᓂᑦ ᑎᖕᒥᐊᓂᑦ
  More studies required to understand potential impact on birds
- ᓂᐱᑭᓐᓂᖅᓴᐅᓪᓗᓂ ᐃᒐᓯᐅᑎᒥᑦᓇᒦᓐᓂᖕᒋᓐᓂᒃᓗᓂᕈᐊᖅ ᑕᐅᓚᐅᖅᑐᑦᒪᓕᒃᑐᑎᒃᓄᓇᓕᖕᓂᑦᑐᓴᖅᑕᓂᑦᐊᒃᑐᐃᓗᐊᕐᑯ ᓇᒍᐃᓄᖕᓂᑦᐆᒪᔪᓂᒃᓗ
  Quieter than diesel and locations were chosen based on community feedback to minimize impact to people and wildlife

51% ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption for Electricity Generation

2 ᐊᑐᓗᐊᙱᓐᓂᖅᓴᖅ
Less Viable

ᐊᓄᓇᑐᐊ
Wind Only

- 51% ᐆᒪᖅᑯᑎᑐᕆᐊᖃᑦᓚᕆᒃᑐᑦ ᓈᒻᒪᒃᑐᒦᑉᐳᑦ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ
  51% of energy demand met by renewables
- ᐊᓄᕆᕐᔪᐊᑐᐃᓐᓇᕆᐊᓕᒃ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ, ᑕᐃᒪᐃᑦᑕᐃᓇᓕᕿᔪᒥᒃ ᐆᒪᖅᑯᑎᒥᒃ ᐊᕐᕌᒍᓕᒫᒥ ᐊᒻᒪᓗ 24-ᓄᑦ ᐃᑲᕐᓇᓄᑦ ᐅᑦᓗᒧᑦ
  High wind potential in the Arctic, with consistent energy year round and 24 hours a day
- ᐊᓄᕆ ᐃᖕᒋᕐᕋᑦᑎᐊᕐᓂᖅᓴᐅᕗᖅ ᓯᕐᕿᓂᕐᒥᑦ ᐆᒪᖅᑯᑎᑖᖅᐸᒍᓐᓃᖅᓱᓂ
  Wind is more efficient than solar
- ᐊᕿᑐᓂᖅᓴᑦ ᒥᒃᓴᐅᕐᓱᑎᑦ ᑲᑎᙵᔪᑦ ᓄᑖᙳᕆᐊᕐᓯᒪᔪᑦ ᐱᓕᕆᔾᔪᓯᖅ
  Higher cost compared to hybrid model
- ᖃᐅᔨᓴᒃᑲᓐᓂᕆᐊᓖᑦ ᑐᑭᓯᓇᓱᒃᓗᑎᒃ ᐊᒃᑐᐃᓂᐅᑐᐃᓐᓇᕆᐊᓕᖕᓂᑦ ᑎᖕᒥᐊᓂᑦ
  More studies required to understand potential impact on birds
- ᓂᐱᑭᓐᓂᖅᓴᐅᓪᓗᓂ ᐃᒐᓯᐅᑎᒥᑦᓇᒦᓐᓂᖕᒋᓐᓂᒃᓗᓂᕈᐊᖅ ᑕᐅᓚᐅᖅᑐᑦᒪᓕᒃᑐᑎᒃᓄᓇᓕᖕᓂᑦᑐᓴᖅᑕᓂᑦᐊᒃᑐᐃᓗᐊᕐᑯ ᓇᒍᐃᓄᖕᓂᑦᐆᒪᔪᓂᒃᓗ
  Quieter than diesel and locations were chosen based on community feedback to minimize impact to people and wildlife



51% ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption for Electricity Generation

3 ᐊᑐᓗᐊᙱᓐᓂᖅᓴᖅ
Less Viable

ᓯᕐᕿᓂᖕᒨᖅᑐᑐᐊᑦ
Solar Only

- ᐊᔪᕐᓇᙱᓐᓂᖅᐹᖅ ᐃᓕᐅᖅᑲᖅᑕᐅᓂᖓ ᐊᑭᑭᓛᕐᓗ ᑲᒪᒋᔭᐅᕙᖕᓂᖓ
  Easiest installation and lowest maintenance
- ᐆᒪᖅᑯᑎᑐᕐᔪᐊᖅᑐᑦ ᓴᓇᔭᐅᔪᑦ ᐊᐅᔭᒃᑯᑦ
  High energy production during summer
- ᓂᐱᖃᙱᓪᓗᓂ ᑕᑯᒃᓴᐅᓗᐊᙱᓪᓗᓂᓗ
  No noise and not as visible from afar
- ᐊᑭᑭᓛᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ ᐊᐅᓚᔪᓐᓇᐅᑦ: 35% ᑐᖕᒫᓂᑦ ᐆᒪᖅᑯᑎᒥᑦ ᐱᔭᐅᔪᒪᔪᑦ ᓄᓇᒥᐅᑕᓂᒃ ᐊᑐᒃᑲᓐᓂᕈᓐᓇᖅᑐᓂᒃ
  Lowest diesel offset: less than 35% of energy demand met by renewables
- ᐅᔾᔨᖅᓱᑦᑎᐊᕐᓗᑎᑦ ᐃᓂᒃᓴᑦᑎᐊᕙᖕᒥᒃ ᕿᓂᕐᓗᑎᑦ ᐸᐅᕋᐅᔭᕐᓄᑦ
  Very little energy produced in the winter
- ᓯᕐᕿᓂᕐᒥᑦ ᐆᒪᖅᑯᑎᑖᕐᓂᖅ ᐊᓄᕆᒥᑦ ᐊᑐᕐᓂᖃᕈᓐᓇᑦᑎᐊᖕᒋᑦᑐᖅ
  Solar has a lower efficiency than wind

32% ᐊᑐᓗᐊᕈᓐᓃᕐᓂᖅ ᐅᖅᓱᐊᓗᑐᐃᓐᓇᕐᒧᑦ ᐊᐅᓚᐅᑎᖃᕐᓂᕐᒥ ᐆᒪᖅᑯᑎᓄᑦ
Reduction in Diesel Consumption for Electricity Generation