



KIVALLIQ ENERGY FORUM
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RANKIN INLET



CLEAN ENERGY FUNDING OPPORTUNITIES WITH THE GN

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ENERGY EFFICIENCY FIRST

- Energy Audits by the **Arctic Energy Alliance** in Nunavut between 2013 and 2017 paid by the GN (\$200,000)
- Conclusions:
 - Most buildings can save up to **20%** of their annual energy bills
 - Recommended measures have a payback of **less than 5 years**
 - Lack of **public information** services and **funding opportunities**
 - Commercial: lacking **basic energy efficiency products** (ex: LED)
 - Maintenance staff need training (Arviat are the HRV champions!)



SUMMARY OF AEA'S WORK IN NUNAVUT

Community	Residential Assessments	Commercial Assessments	Community Energy Public Presentations
Iqaluit	10	1	1
Arviat	10	4	1
Rankin Inlet	11	2	1
Cambridge Bay	10	0	1
Kugluktuk	11	0	1
TOTAL	52	7	5

FIVE MOST COMMON RECOMMENDATIONS

- Ventilation
- Lighting upgrades to LED
- Higher wall insulation levels
- Direct-vent, high-efficiency oil heating equipment (and no electric hot water tanks)
- Manual thermostats upgraded to programmable ones



GN FUNDING OPPORTUNITY #1: HOME REPAIR PROGRAM (NHC)

- Nunavut housing corporation (NHC) website:

<http://www.nunavuthousing.ca>

- Eligible expenses:
 - Health and safety improvements
 - Suitability improvement
 - Energy efficiency
 - Improve life of building



ENERGY EFFICIENCY ELIGIBLE EXPENSES

Eligible **energy efficiency** improvements include:

- a) Building Envelope
- b) Window and Door Systems
- c) Heating Systems
- d) Electrical Systems
- e) Plumbing Systems



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FUNDING OPPORTUNITY #2: GAS TAX SMALL PROJECTS FUND (CGS)

To assist Hamlets to meet their small capital project's needs

- Total funds available: **\$3M/year** for the Territory
- Limit: max of **\$500,000/project**
- Project must be completed **in one fiscal year**



GAS TAX SMALL PROJECTS FUND

- Eligibility criteria
 - Project must appear on the **infrastructure plan** (ICSP)
 - Contribution from Hamlet **required**
 - Call for Application: **September 30** each year
 - Application Due Date: **November 30** each year
 - Projects **ranked and prioritize** according to the GN's standard

ranking criteria



GAS TAX SMALL PROJECTS FUND: EXAMPLES

Community	Year	Project title	Action type	Contribution
Cape Dorset	2019-20	Installation of Solar Panels on Arena	To improve energy efficiency and reduce electrical consumption.	\$250,000
Clyde River	2019-20	Installation of Energy-efficient Street Lights	To improve safety for residents on community streets.	\$250,000
Coral Harbour	2019-20	Solar Alternative Energy	This clean energy project will replace original lighting (1985) with a solar panel. The goal is to save energy while reducing dependence on diesel fuels.	\$190,000
Gjoa Haven	2019-20	Installation of Solar Panels on Arena	To improve energy efficiency and reduce electrical consumption.	\$60,000
Kugluktuk	2018-19	Hamlet Asset Energy Efficiency Upgrades	To replace fluorescent and tungsten halogen lighting in 10 hamlet owned buildings to increase energy efficiency in all Hamlet assets.	\$486,150

FUNDING OPPORTUNITY #3: GREEN INFRASTRUCTURE MUNICIPAL FUND (CGS & CCS)

To support energy efficient municipal infrastructure and reduce greenhouse gas emissions

- Total funds available: \$1M/year for the Territory
- Limit: max of \$500,000/project
- Project must be completed in one fiscal year



GREEN INFRASTRUCTURE MUNICIPAL FUND

- Eligible projects:
 - **Planning** (ex: Community Energy Planning)
 - **Research** to support municipal energy project (**feasibility** studies)
 - **Upgrades** to municipal-owned infrastructure to improve energy efficiency and reduce GHG emissions
- Contribution from Hamlet **required**
- Projects **ranked and prioritize** according to the GN's standard ranking criteria and reviewed by **Advisory Committee** (including CCS)



THANK YOU! QUESTIONS?

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