Application Guidelines for the

Alternative Energy Technologies Program

Business Renewable Energy Fund

Residential Renewable Energy Fund

May 2014

Northwest Territories

ARCTIC ENERGY ALLIANCE

Residential Renewable Energy Fund (RREF)

The Residential Renewable Energy Fund (RREF) is available to assist NWT residents to integrate commercially available, clean energy technologies on their property, building or other assets for the intent purpose of reducing fuel usage.

RREF provides funding of up to one-third of the cost of qualified renewable energy systems**.** The maximum amount available to any recipient is $5,000 per year.

Business Renewable Energy Fund (BREF)

The Business Renewable Energy Fund (BREF) is available to assist NWT commercial businesses including off-grid lodges and camps to integrate commercially available, clean energy technologies into their operations. The fund is intended to reduce fuel use, and lower the cost of operations in remote locations where fuel prices and carbon footprints are high.

BREF provides funding of up to one-third of the cost of qualified renewable energy systems**.** The maximum amount available per applicant is $15,000 per year.

AETP Funding Information

Eligible technologies must be installed on a property, building or other asset in the Northwest Territories and the technology must reduce overall fuel use. The legal right of access to the building, property or asset on which the system will be installed must be demonstrated.

Applicants are encouraged to contact the AEA for pre-approval, prior to installation. Projects will be funded on a first come first serve basis until the program is fully subscribed. Changes in scope or cost that occur after the application is signed must be approved by the AEA.

Projects must be installed and operational to receive the rebate. Photographs of the installed product must be provided and subsequently become the property of AEA. All documentation must be received within 60 (sixty) days after the project completion date, and before March 31.

The Executive Director of the Arctic Energy Alliance (AEA) is responsible for final approval of all projects.

ELIGIBLE TECHNOLOGIES:

- **Photovoltaic (PV)** technologies collect solar radiation to produce electricity.
- **Wind turbines** capture the energy of the wind to produce electricity.
- **Ground-source heat pumps** use heat from the ground and circulate it into a building.
- **Solar Hot Water Heating Systems** are generally flat panels or a series of evacuated tubes that collect energy from solar radiation for heating water.
- **Solar Air Heating Systems** use dark perforated metal panels and solar radiation to pre-heat the air intake for a building.
- **In-Stream Hydro / Micro-hydro** consist of a small turbine that is rotated by water pressure from a moving body of water or from water delivered by a pipe.
- **Wood Pellet Boilers / Furnaces** for space heating, operate the same as conventional boilers or furnaces with the exception of fuel type.

ELIGIBLE COSTS:

- alternative energy systems and all materials required for system installation
- shipping costs
- inverters and electrical control systems
- batteries for stand-alone applications and for grid-tied systems with battery backup
- integrated fuel storage/handling/feed equipment for wood pellet or other bio-fuels
- monitoring equipment cost

INELIGIBLE COSTS:

- installation cost
- removal costs of an existing system
- conventional systems used for backup heat or power generation
- structural components of a building
- spare parts inventory in support of a qualifying system
- operations and maintenance
- replacement of existing batteries

General Requirements:

- The applicant is responsible for obtaining all necessary approvals, permits, and licenses for the project.
- In the NWT, electrical permits are required for off-grid and grid-tied renewable energy systems.

- All materials must be purchased new.
- All system hardware and installation must meet strict quality criteria. All eligible equipment must be Canadian Standards Association (CSA) or Underwriters Laboratory of Canada (ULC) certified.
- Proposals for grid-tied electrical systems must include proof of approval from the electrical supply utility and meet all interconnection standards established for technical and safety requirements.
- The applicant must keep proper accounts and records of the revenues and expenditures incurred and paid under the rebate agreement, including all original invoices, receipts and vouchers relating thereto for a period of three years from the completion of the agreement;
- The applicant must permit an AEA representative to audit, inspect and make copies of those accounts and records at all reasonable times during the three year period;
- The applicant must provide access to facilities to an AEA representative for those audits and inspections;
- The applicant must promptly refund to AEA any overpayments of the rebate disclosed by an audit; and
- A commitment to set up, monitor and share with the AEA, the energy output for 12 months following the installation of the renewable energy system.

EVALUATION

Applications will be evaluated based on:

- technical feasibility;
- potential energy savings; and
- environmental benefits including greenhouse gas emission reductions.

<u>Applications must be submitted to:</u>

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