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Qulliq Energy Corporation
Société d'énergie Qulliq
Qulliq Alruyaktuqtunik Ikumatjutiit

Section: Alternative and Renewable Energy

Policy Title: Net Metering Program

Policy #: 9.01

POLICY STATEMENT

The objective of this policy is to promote the use of renewable energy in Nunavut and to allow Nunavummiut to reduce their reliance on diesel fuels. Incorporating Net Metering into the Qulliq Energy Corporation's (QEC) Terms and Conditions of Service provides customers with the ability to establish their own small scale renewable energy generation systems based on their own energy needs.

Net Metering will offset a customer's electricity consumption by using renewable energy to provide their own power, as well as it allows surplus amount to be fed into a community's shared power system and QEC will then provide credit to the customer for that surplus amount. This directly relates to QEC's strategic pillar "Evolve".

- **Evolve:** A focus on innovation. This entails pursuing sustainable energy solutions, integrating technology into our processes, participating in research projects, and forming strategic partnerships that enable us to innovate effectively.

GUIDING PRINCIPLES

QEC's Net Metering Program is based on the following Inuit Societal Values and Guiding Principles:

- *Pijitsirniq*: serving and providing for family and/or community – Net Metering Program has been planned and implemented with safety mechanisms in place to ensure that the program will not affect the sustainable, reliable power electricity provided by QEC in each community. Furthermore, these small-scale renewable energy systems provide QEC the opportunity to feed back into the community any additional power that may be generated by them;
- *Pilimmaksarniq/Pijariuqsarniq*: development of skills through observation, mentoring, practice, and effort – the Net Metering Program will be a key contributor to learning what and how small-scale renewable energy solutions can be effectively integrated in the territory;

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- *Piliriqatigiinniq/Ikajuqtigiinniq*: working together for a common cause – the success of the Net Metering Program relies on Nunavummiut working together with QEC to produce their own clean renewable energy and work toward reducing Nunavut's reliance on fossil fuels;
- *Qanuqtuurniq*: being innovative and resourceful – the Net Metering Program provides all the necessary information required to successfully tie into the QEC system, enabling Nunavummiut to send surplus renewable energy into a community's power supply and receive a credit on their power bill; and
- *Avatittinnik Kamatsiarniq*: respect and care for the land, animals and the environment – the Net Metering Program will allow Nunavummiut to actively participate in the reduction of greenhouse gas emissions in Nunavut.

APPLICATION

This policy applies to residential and municipal customers as per QEC's Terms and Conditions of Service; customers who own small scale renewable energy sources can receive a kilowatt hour credit for the surplus energy that flows from the customer's renewable energy source to the QEC's power system.

Customers who intend on taking part in the Net Metering Program must contact QEC prior to purchasing any renewable energy solutions to ensure they select a system which satisfies the requirements of QEC's Net Metering Program.

This policy also applies to existing Net Metering Program customers.

DEFINITIONS

Customer: Refers to any person which Service from the Corporation is being or has been provided, whether or not:

- a) The person did not request Service from the Corporation;
- b) The name or signature of the person appears on a written application for Service or Customer Service Order; and;

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- c) An Applicant to which the Corporation has chosen to begin providing Service.

Net Metering: System in which renewable energy sources are connected to QEC's power system and surplus power is transferred onto QEC's power system, allowing customers to offset the cost of power drawn from the utility.

QEC Terms and Conditions of Services: Document which outlines the relationship between the customer and QEC regarding the services QEC provides, associated fees and charges which apply in the Nunavut settlement area.

Rated Capacity: Maximum amount of alternating current (AC) power the system is able to safely produce.

Renewable Energy Generation System: A system that produces electrical energy from renewable resources and makes that energy available for use.

ROLES AND RESPONSIBILITIES

QEC is responsible for:

- The administration of the Net Metering Program and this policy.
- Approval of all documents under the Net Metering Program.
- The implementation and communication of the Net Metering Program to customers.
- Creating, maintaining and updating all applicable applications and documentation under the Net Metering Program.
- Providing application checklist and documentation requirement for Net Metering Program
- Determining whether customers meet the requirements to be eligible for the Net Metering Program.

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- Providing feedback and suggesting customers the necessary information to completing their application or meeting the eligibility requirements (example: updating PV size to meet rated capacity eligibility requirements).
- Providing estimates to customers in the event that any upgrades are required on QEC's infrastructure to accommodate a customer's renewable energy solution (example: QEC needing to move a power pole to accommodate a customer's wind mill).
- Issuance of Letter of Acceptance to successful customer application
- Providing customer with the Net Metering Program Technical Interconnection Requirements (TIR) needed for their renewable energy setup, installation, commissioning and operations.
- Providing customer with project completion checklist required for final customer Net Metering installation approval
- Reviewing and approving customer Net Metering installation and issuance of Customer Agreement
- Updating customer metering to bi-directional Net Metering
- Issuance of the Net Metering credits

Customers are responsible for:

- Communicating with QEC to get necessary information, forms and clarifications (if any) on their Net Metering Customer Application prior to purchase and installation of renewable energy generation systems of interest.
- Submitting a Net Metering Customer Application and any other subsequent information requested by QEC regarding the proposed renewable energy generation system.
- Costs associated with their own small scale renewable energy generation system including connection to QEC's power system and any necessary maintenance.

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- Complying with QEC Technical Interconnection Requirement (TIR) and all applicable codes, laws and standards.
- NMP projects are bound by the version of the TIR in effect at the time of execution of their Generation and Connection Agreement.
- Purchasing, installation, commissioning, operation and maintenance of the approved renewable energy generation system.

PROVISIONS

- Customer eligibility criteria are clearly defined in the QEC Terms and Conditions of Service.
- The size of the connected renewable energy generation system shall not exceed the maximum capacity identified by QEC in the QEC Terms and Conditions of Service.
- If there are multiple renewable energy generation systems at one location the total rated capacity must not exceed the QEC maximum capacity identified in the QEC Terms and Conditions of Service.
- To ensure QEC continues to provide safe and reliable power across the territory, the total renewable energy generation which may be tied into a community's power system shall not exceed the amount specified in the QEC Terms and Conditions of Services. No new applications will be approved once the defined limit has been reached.
- QEC reserves the sole authority to suggest a reduced system size to customer during the application stage due to unforeseen technical constraints related to the QEC power system and its operations
- Provisions for the billing and crediting system used to administer the Net Metering Program are stated in the QEC Terms and Conditions of Service. In the event there are any credits left at the end of the net metering cycle on March 31 of any given year, the credits will be reset to zero.
- Any personal information collected under the Net Metering Program is subject to the Access to Information and Protection of Privacy Act and shall

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not be distributed or used for any purpose other than the administration of the Net Metering Program and this policy.

- QEC reserves the right to disconnect customers.

PREROGATIVE OF EXECUTIVE COUNCIL

Nothing in this directive shall in any way be construed to limit the prerogative of Executive Council to make decisions or take action respecting QEC's Net Metering Program and the Government of Nunavut, outside the provisions of this policy.

CONTACT

For further clarity or information regarding this policy, please reach out via email to renewableenergy@qec.nu.ca.

REVIEW & AMENDMENTS

This policy shall be reviewed periodically and updated as required to reflect changes in technology, regulatory requirements, or QEC system conditions. This policy shall remain in effect until a revised version is approved by QEC or three (3) years after the approval of this policy; whichever comes first.

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