



NUNAVUT ENERGY MANAGEMENT PROGRAM POLICY

POLICY STATEMENT

The Government Nunavut (GN), has established the Nunavut Energy Management Program (NEMP). This is composed of three elements: the Nunavut Energy Retrofit Program, Energy Awareness and Training, and the Building Energy Efficiency Review Program for New Construction.

PRINCIPLES

- The GN recognizes the increasing cost of energy and water. There is a need to reduce energy and water costs while also reducing the impact to the environment.
- The GN recognizes that staff from all departments must work together in order to achieve the goal of a substantial reduction in energy use.
- The Nunavut Energy Management Program supports the following Guiding Principles of the Government of Nunavut:
 - *Avatittinnik Kamatsiarniq*: respect and care for the land, animals and the environment.
 - *Qanuqtuurniq*: Being innovative and resourceful.
- The GN recognizes the impact that its operations have on the environment. The GN seeks to reduce this impact through the implementation of this policy.

SCOPE

This policy applies to all government departments.

DEFINITIONS

Energy Savings: The net cost savings produced through the implementation of energy reduction measures not including increases or decreases due to weather, utility rate or occupancy change.



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Retrofit: The addition of newly developed parts or devices into a machine or building that were not available or economical when the machine or building was made.

Infrastructure: the large-scale public systems, services, and facilities of a region necessary for economic activity, and service delivery.

Qualified Contractor: A service provider that meets a set of criteria identified within a contract.

AUTHORITY AND ACCOUNTABILITY

1. The Minister of CGS:
 - a) is accountable to Cabinet for the implementation of this policy.
2. The Deputy Minister of CGS:
 - a) is responsible for administration of all provisions pursuant to this policy
 - b) shall evaluate all proposed work and make recommendations to the Minister of CGS
 - c) shall ensure data is collected from regional offices to allow costs to be compared from previous years.
3. Deputy Heads (or designates) shall:
 - a) work collaboratively to achieve a significant reduction in energy use
 - b) co-operate in the implementation of energy awareness & training programs
 - c) co-operate in the planning of new energy efficient buildings as well as the retrofit of existing buildings to increase energy efficiency.

PROVISIONS

All GN Departments have access to the following application-free provisions:

- 1) *Nunavut Energy Retrofit Program*



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- Modeled on the Government of Canada's Federal Buildings Initiative, Nunavut Energy Retrofit Program will allow the GN to use existing energy budgets to enter into long-term agreements with qualified energy management firms that will finance, develop and implement energy retrofit projects.
- Measures that reduce energy consumption and cost; such as the installation of efficient lighting, low flow water fixtures, building management automation systems, insulation, and new boilers.
- The savings generated will be monitored and tracked by Community and Government Services staff. Future energy savings resulting from the projects will be used to offset the cost of the work.
- The following outcomes can be expected: a means of upgrading and modernizing building systems while utilized O&M funding and freeing capital funds for other projects; O&M cost savings with respect to utilities and maintenance; energy efficiency target of at least 20%; improved building occupant comfort; reduction of greenhouse gas emissions; etc.

2) *Energy Awareness and Training*

- The energy awareness program for GN staff and school students will consist of electronic newsletters, a website and seminars.
- The Building Manager Training Program, delivered in co-operation with Nunavut Arctic College will be used to teach building staff to maximize the efficiency of existing systems and to identify and implement low-cost and no-cost energy efficiency measures.
- The following outcomes can be expected: Energy awareness and training encourages our building occupants and maintainers to act in an environmentally responsible manner; The day-to-day practices of building occupants can contribute significantly to the amount of energy consumed in a building and therefore informed and engaged building occupants are a key achieving energy savings; Building Managers and Operators are an integral part of achieving energy savings, as they control what actually goes on within buildings, including equipment operation, temperature set points, etc.



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3) *Building Energy Efficiency Review Program for New Construction*

- An energy efficiency section is included in the *GN Good Building Practices Guideline* and addresses aspects of energy use in a facility. It includes technologies proven to economically reduce energy consumption.
- These guidelines will be applied to future GN building projects.
- The following outcomes can be expected: augment sustainable building construction, application of lessons learned from our energy retrofit projects, increase energy performance; a means of lowering life cycle costs, etc.

FINANCIAL RESOURCES

Financial resources required under this policy are conditional on approval by the Legislative Assembly and on the availability of funds in the appropriate budget.

PREROGATIVE OF CABINET

Nothing in this policy shall in any way be construed to limit the prerogative of Cabinet to make decisions or take action respecting Nunavut Energy Management Program.

SUNSET CLAUSE

This policy shall be in effect from the date of the signature until March 31, 2020.

Honourable Peter Taptuna, Premier