

Attachment 2

Energy Efficient Equipment Selection Policy

Policy Title:	Energy Efficient Equipment Selection Policy
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1. Purpose

Following the strategic direction of Bold Step #1 (Carbon Free Corporation), the City of New Westminster (City) is committed to continuously improving the energy performance of its operations. This policy ensures that the City makes fiscally and environmentally responsible decisions with respect to new equipment purchases for its buildings and facilities.

The objectives of this policy are to:

- Reduce absolute energy consumption and/or improve energy efficiency;
- Support an accelerated switch to renewable energy;
- Maximize energy recovery;
- Reduce the financial risks associated with rising external carbon taxes and energy costs over the lifetime of an asset.

2. Scope

This policy is to be applied during the options analyses (Life Cycle Cost Analysis) and decision-making stages of new equipment purchases. Applicable equipment under the scope of this policy includes, but is not limited to:

- Appliances
- HVAC equipment
- Water using components and pumps
- Electric motors
- Office equipment and consumer electronics (computer, phones, etc.)
- Lighting, signage, and transformers

3. Policy

The City must purchase energy efficient equipment, supplies, and appliances wherever possible. This will result in a measurable increase in energy efficiency, or a net reduction in energy consumption. This requires that product specifications be compliant with:

- Energy Star® guidelines and recommendations
- Natural Resources Canada Office of Energy Efficiency (NRCOEE) guidelines and recommendations

4. Requirements

All City staff must adhere to this policy when purchasing new equipment. It is recommended that City staff request vendors, contractors and/or consultants involved in project design to provide them with the information necessary to abide by this policy, including an estimate of the energy consumed by each option via an energy model. The Climate Action Division will act as a resource for departments needing help with the application of this policy, or in review of their options analysis.

5. Definitions and References

Options Analysis (Life Cycle Cost Analysis)

The process used to establish the net present value of a project or initiative, taking into account all costs and revenues accrued over its expected life.

Energy Performance

The amount and cost of energy used by an asset to accomplish a task or provide a service.

Energy Star®

Backed by the Government of Canada, Energy Star® is an internationally recognized and trusted symbol of energy efficiency. Energy Star® provides consumers and businesses with credible and unbiased information for making well-informed decisions on energy efficient equipment. For more information on Energy Star®, visit <https://www.energystar.gov/buildings>.

Natural Resources Canada Office of Energy Efficiency (NRCOEE)

Natural Resources Canada's Office of Energy Efficiency serves as an informational resource and is responsible for managing several energy efficiency and alternative fuels programs. Through its offerings, NRCOEE provides Canadian residents and businesses with the means to capitalize on the benefits of energy efficiency, such as lower energy costs, reduced greenhouse gas emissions, improved operating performance, and increased asset value. For more information on NRCOEE, visit <https://www.nrcan.gc.ca/energy-efficiency/10832>.