

## APPENDIX 1A: ENERGY MODEL

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### Basic Requirements:

- As per Section 3.3.3 an Energy Model shall be completed to demonstrate anticipated energy performance in compliance with LEED EA Credit requirements (or equivalent).
- A minimum of 22% energy cost savings relative to ASHRAE 90.1 2007 baseline is mandatory.

### Performance Criteria:

- A single energy modelling software will be used at all stages of design and certification or equivalency process.
- Eligible energy modelling software shall be in accordance with LEED Canada NC 2009 or USGBC LEED for Healthcare.
- It is the Authority's intent that the Proponents provide a summary of their building's performance, as determined by the energy model, using the LEED Canada NC 2009 letter template for energy and atmosphere credit 1. This template provides a breakdown of the building's energy performance by end use and also identifies the non-regulated loads. The energy model is to include non-regulated plug load, occupancies, and all relevant default values per ASHRAE 90.1 2007 relating to LEED Canada NC 2009 or USGBC LEED for Healthcare.