

APPENDIX 1A: ENERGY MODEL

1. Basic Requirements:
 - 1.1 The Design-Builder complete and submit to the Owner for review under Schedule 2 [Review Procedure] an Energy Model to demonstrate that the anticipated energy performance of the Facility complies with LEED Gold Certification requirements.
 - 1.2 The Design-Builder will ensure that the anticipated energy performance of the Facility is at a minimum 22% greater efficiency (MJ/m²/year) relative to ASHRAE 90.1-2010 or NECB 2011 baseline.
2. Performance Criteria:
 - 2.1 The Design-Builder will use a single energy modeling software for preparing the energy model and at all stages of the LEED Gold Certification process, such software to be in compliance with the LEED Rating System.
 - 2.2 The Design-Builder will include in the energy model non-regulated plug load, occupancies, and all relevant default values per ASHRAE 90.1-2010 relating to the LEED Rating System. If any measures are not capable of being modeled properly in the modeling software, the Design-Builder will clearly explain, document, demonstrate and submit to the Owner for review all workarounds to such measures at the same time as the Design-Builder makes any submissions to the LEED Authority.