

## Energy Model Report Requirements

Energy Model Report submissions to SLTC must include, but are not limited to, the following information:

- Building Location
- Applicable Climate Zone / Weather Data File
- Modelling Software and Version
- Applicable energy code, standard(s) and program guideline(s) used
- Documents used (e.g. SD Drawing Set, IFC Drawings and Specifications, etc.)
- Total Conditioned Floor Area
- Number of Storeys
- Summary of Key Energy Conservation Measures
- Summary of Energy Model Inputs for both Baseline and Proposed Buildings, including:
  - Building Envelope
    - Thermal Transmittances (Walls, Roofs, Floors, Fenestration, etc.)
    - Fenestration and Door to Wall Ratio (FDWR)
    - Air Infiltration Rates
  - Mechanical Systems
    - Heating and Cooling Systems
    - Ventilation
    - Domestic Hot Water
    - Equipment Performance (Efficiencies, Coefficients of Performance, etc.)
    - Operation Conditions (Design Temperatures, Control Setpoints, Ventilation Rates, etc.)
  - Internal Loads
    - Operating Schedules
    - Lighting Power Density (LPD)
    - Occupant Density
    - Hot Water Demand
- Modelled Annual Energy Consumption by End Use and Fuel Type. Sample format below:

End Use	Electricity (kWh/year)	Propane (L/year)
Space Heating		
Space Cooling		
Pumps		
Fans		
Water Heating		
Lighting		
Other		
<b>Total</b>		

- Modelled Annual Energy Consumption by Fuel Type. Sample format below:

Fuel Type	Baseline	Proposed
Electricity Consumption (kWh/year)		
Propane Consumption (L/year)		
<b>Total</b>		

Please clearly state any assumptions used. The modeller may be required to submit additional information regarding the model simulations files and/or calculations performed outside the energy model, such as thermal bridging calculations.