

Thermal Load Letter and Checklist

A developer's mechanical engineer is required to complete the following checklist and provide a thermal load letter to Lonsdale Energy. Please submit the letter and completed checklist to info@lonsdaleenergy.ca. A draft may be submitted to Lonsdale Energy for review prior to final submission.

The thermal load letter, signed and sealed, will describe all thermal heating and cooling loads as determined based on ASHRAE standards, including those not connected to the community energy system (e.g. electric heating, heat pumps).

Important: The thermal heating load, as nominated by the mechanical engineer, will be used to calculate the upfront service connection fee and a component of the monthly service charge to the customer. Correct and detailed determination of the nominated thermal heating load is strongly recommended. Consider design changes that could result in a lower thermal heating load (e.g. improved building envelope performance, thermal energy storage) to improve efficiency and decrease associated fees and charges.

Submission Requirements

Thermal heating and cooling loads provided; based on ASHRAE standards.	
Heating loads (separately, in kW) for each heating end-use (e.g. space heating, ventilation heating, domestic water heating, etc.)	
Total heating load (in kW)	
Commercial and residential heating load for each heating end-use, listed separately and combined.	
Detailed functional description of each heating system (e.g. space heating, ventilation heating, domestic water heating, etc.)	
Breakdown of the total unconnected load in a schedule stating location (load in kW) and justification for unconnected load. Include any heat pumps and method of heating mode lockout.	
Load letter authenticated in accordance with Engineers and Geoscientists British Columbia (EGBC) requirements.	

Applicant

Developer:		Mechanical Consultant:	
Name:		Name:	
Date:		Date:	