

CANADIAN STANDARDS ASSOCIATION (CSA) WAIVER

This document states that both the participating contractor and homeowner agree to install the geothermal heat pump system stated on Part II of Manitoba Hydro's Home Energy Efficiency Loan Agreement #_____.

This system is being installed with full disclosure of the fact that it is sized outside of guidelines stated in Canadian Standards Association (CSA)'s C448.2 which reads:

“The heat pump(s) shall be sized in such a way that their rated heating capacity, at the minimum entering liquid temperature (0°C/32°F for closed-loop systems and 10°C/50°F for open systems), is not less than 70% of the building's design heat load. The combined output of the heat pump and any supplementary heat shall be equal to or greater than 100% design, but the heat pump shall not exceed 105% of the design heat loss.”

Justification for sizing outside of CSA guidelines:

Signature (homeowner)

Signature (contractor)

Name (please print)

Name (please print)

Date

Date

