



Change Request Ruling

Change Request: 4.6.1 Hot Water Pipe Insulation

ID #: CR-000009

Submitted By: Tyler Hermanson

Submitted On: December 3, 2018

Ruling Date: December 4, 2018

Ruling: **Change Request Approved.**

Reason for Change Request and Recommended Alternative: Insulating DHW pipes that are inside the thermal envelope in homes without a recirculation system do not consume large amounts of energy. This requirement has negligible effect on home performance while complicating the NZE Technical Requirements.

The Following evaluation has been undertaken based on current project submitting for NZEr.
Builder - Brookfield
Address - 274 Sage Bluff Drive NW

The resulting energy loss from using uninsulated pipes in a heated basement is 211 kWh, a 1% effect on this home using 15 000 kWh/yr Gross. Well within the margin of error of HOT2000.

We recommended that DHW pipe insulation in heated basements without recirc systems be removed from the program and that current projects under review be accepted without this requirement.