The temperature datalogger – the ibutton

Consultations with a local environmental consultant introduced the project to a temperature data logger (an ibutton) as a tool to encourage participation in the project and a means of providing personal data.

Figure 1 ibutton

The ibutton measures temperature and can be programmed to take a reading every 30 minutes over a 6 week period. The ibutton data can be graphed and compared to the outside air temperature as well as to the standard human comfort levels (18 – 26 degrees Celsius). The charts below are examples of a chart created for an inefficient home and a chart created for an 8 start energy efficient home.