



010 – Optimise Heating Settings

Overview	
Intervention Type:	Technical
Target:	Organisation (Management & Building Supervisors)
Intervention Frequency:	Seasonally and/or as per school occupancy timetable
Intervention Duration:	Continuous (or at least 1 month)

Cost	Effort	Reward
Low	Medium	High
ENERGE Rating		School Rating (School to complete)
★ ★ ★ ★ ★		★ ★ ★ ★ ★

Description of Intervention
<p>School building supervisor to adjust heating/cooling setpoints to optimum settings on a seasonal basis (at a minimum), and if possible, adjust setpoints based on local weather conditions as regularly as possible.</p> <p>This should be completed centrally, or for each heating zone where possible, with individual thermostatic radiator valves (TRVs) adjusted to prevent overheating or underheating where TRV's are available and operational.</p> <p>Where the school has a BMS system, and timeclock facilities, all timeclocks settings should be optimised based on school holidays, term times, and out of hours building use.</p>

Commented [ED1]: Provide a

Impact Measurement
<p>Monthly heating bills to be temperature corrected (using Heating Degree Days method at 15.5°C) and compared against baseline heating consumption (the ENERGE Project Team will assist with this analysis and feedback the results).</p>

Facilitators	Barriers
<p>ENERGE thermocards and indoor climate sensors/the ENERGE platform will assist with monitoring indoor room temperatures and identifying appropriate setpoints.</p> <p>Student/staff can partake in short comfort surveys to identify personal comfort</p>	<p>Aging heating/cooling infrastructure may limit the adjustability of the system.</p> <p>Availability of zoning and TRVs may limit the adjustability of the system.</p>



Facilitators	Barriers
<p>levels(ENERGE platform or ad-hoc enquiries can be used to complete the survey).</p> <p>The BMS (where provided) should be utilised as much as possible to schedule heating/cooling and monitor</p>	

Intervention Process
<ol style="list-style-type: none"> 1. Identify all thermostats and valves which can be adjusted seasonally and keep a list of details (valve location etc.) to assist with future adjustments. 2. Check the school intervention planner and identify suitable times to adjust heating based on the school occupancy timetable e.g. <ol style="list-style-type: none"> a. Start/end of term b. Start/end of midterm breaks c. Public Holidays and other days where the building has limited/no occupancy 3. Adjust the heating/cooling setpoints at the times above. 4. Keep a record of the date and time of and changes (see Appendix 1). Note, records should also be kept if/when setpoints are adjusted back to normal. 5. Survey staff/students to see if they noticed a change in their comfort levels. 6. Send latest heating bills to the ENERGE team for analysis of impact

School Comments/Notes

Appendix 1 – Intervention 001 (Optimise Heating Settings) – Tracker Sheet

[illegible]