



Neuadd y Sir / County Hall, Llandrindod, Powys, LD1 5LG

QUESTIONS AT ANY TIME TO CABINET PORTFOLIO HOLDERS

Response by the Cabinet Member:

The Strategic Property Team (Schools Estates, Energy Manager, Compliance Teams) are working in unison to deliver a range of energy saving projects across the school's estate of properties. This will improve energy efficiency and heat loss to the schools and demand for heat source input and the use of fossil fuels. These projects are being funded from a range of sources including Welsh Government Salix (Invest to Save), Schools Major Improvement Capital programme and the Asset Collaboration Grant.

We are developing further programmes of work and projects on energy efficiency and energy reduction in individual schools funded from Welsh Government Salix (Invest to Save), Schools Major Improvement Capital programme and the Council's Invest to Save funding subject to robust business case approvals.

We regularly communicate with school Head Teachers to remind them to conserve energy by switching off lights and having only essential heating on during school holiday periods to avoid burst pipes.

Within the Strategic Property Team, we have a limited resource to undertake Energy Audits and where necessary we do commission and consult with partners to undertake this work. We have put in an application for additional resource for Energy Management within the Strategic Team to support the Schools estate to lower their carbon footprint.

Find below a list of energy savings and management projects.

- Emergency lighting & LED (Salix funded and loan scheme to individual schools)
 - Newtown High School - complete
 - Welshpool High School - complete
 - Crickhowell High School - complete
 - Montgomery C in W School - complete
 - Llanidloes High School – complete
 - Llanidloes C.P. School – on site
 - Crickhowell C.P School – to progress during Easter school holidays 2023
 - John Beddoes Campus – on site

- Emergency lighting & LED upgrades for Fire Risk Assessment compliance
 - Cradoc C.P. School - complete
 - Llanfair Caereinion C.P. School - complete
 - Gwernyfed High School - complete

- Llangynidir C.P. School – complete
- St. Marys R.C – in progress
- New PVs, BMS controls, LED lighting at schools and community halls (all subject to existing services configuration)
 - Llangattock Church in Wales Controlled School & Llangattock Community Centre
 - Arddleen C.P. School & Arddleen Community Centre
 - Ysgol Rhiw Bechan & Tregynon Community Hall
- Building Management System (BMS) controls to boiler systems to improve energy efficient of plant.
 - There is an on-going programme of BMS upgrades with 37 BMS panel replaced in financial year 2021/22, and a further three BMS panels to be completed in financial year 2022/23. There are further five upgrades of BMS systems planned in financial year 2023/24 to:
 - Ysgol Glantwymyn
 - Forden C in W School
 - Knighton C in W School
 - Radnor Valley CP School
 - Builth CP School
- Welsh Government Low Carbon Heating grant.
 - Ysgol y Bannau and Llanfaes C.P. Schools to assess building fabric and low carbon heating potential – assessment report being evaluated.
- Roof replacements and insulation upgrade works.
 - Crickhowell High School replacement of pitched roof to English, Science and Design & Technology block including roof void insulation.
 - Ysgol Llanfyllin (Secondary Campus) partial replacement of flat roof over main two storey teaching block and upgrade of insulation
 - Presteigne C.P School partial replacement of flat roofs over early years and main entrance and upgrade of insulation
 - Ysgol Calon Cymru (Llandrindod Wells) Design & Technology block flat roof replacement and upgrade of insulation
- Window and door replacements.
 - Knighton C in W School – replacement windows and doors phase 1
 - Llanelwedd C in W School – replacement windows for CO₂ reduction

Alongside enhancing school building LED lighting, we are assessing schools for them to be adapted for potential solar P.V. retrofitted units to roofs. There are constraints to consider when evaluating if P.V. panels can be fitted, including the roof orientation, presence of asbestos in roof tiles or flat roofs, roof pitch and the condition of the roof and structural load bearing capability. We will explore the viability of partnering with existing energy generating infra-structure and two school

sites are being consider where this might progress subject to business case being viable in the long term.

To assist schools with maintaining room temperatures in accordance with Schools Premises Regulations, it should be noted.

- The schools monitor and manage the day-to-day control of heating and maintaining statutory temperatures in all rooms.
- The local authority Schools Estates managers respond and refer routine maintenance jobs and issues with boiler BMS controls to our Property Services maintenance team to investigate and action.
- The local authority can access individual schools with BMS boiler controls to ensure each school is running efficiently and timings are working correctly, and rooms are not overheating.
- Where all schools do not have rooms in use then lighting should be turned off unless this is on a fire escape or circulation route (school responsibility).