

## HALL BUILDING EFFICIENCY PLAN

The halls building sub committee have studied the carbon trust report and have taken additional advice from Gwres Glas heating engineers, Insulation specialists and eco electrical systems. Our current efficiency plan is to:

- Audit the halls electricity usage, water usage and practices to identify improvement areas. *Completed.*
- Insulation of the central heating pipes to ensure the heat gets where it is required. *Completed.*
- Install a digital thermometer in the hall to confirm temperature. *Completed.*
- Have an engineer assess our central heating boiler, to determine if a major overhaul is appropriate or replacement with a more efficient unit. *Completed report awaited. Committee agreed to install a new more efficient boiler.*
- Determine if the existing central heating system can be modified to facilitate selective heating of the halls rooms. At present the whole hall is heated, even if it is only the computer room that is in use. *Completed and extensive modification of the heating plumbing would be required. Work to be undertaken in the future when renewal of the system is required. However a room stat is to be installed in the main hall.*
- Determine if additional insulation material can be added to any attic roof spaces. *Determination completed and insulation added to roof space above the kitchen.*
- Determine the cost of additional roof insulation, by the creation of a filled false ceiling in the main hall. Seek funding support. *Visit made by insulation specialist in June estimate cost is £7297. Grant funding to be sought.*
- Investigate the cost of cavity wall insulation in the older external walls and seek funding. *Estimate for internal wall insulation following visit by insulation specialist in June awaited. Now included as part of the roof insulation work.*
- Investigate LED replacement of fluorescent tubes. *Initial contact with LED Neon Ltd has been made.*
- Seek funding for the installation of photovoltaic roof panels. *(estimate obtained 3.6 kW £14,440). Grant funding to be sought.*