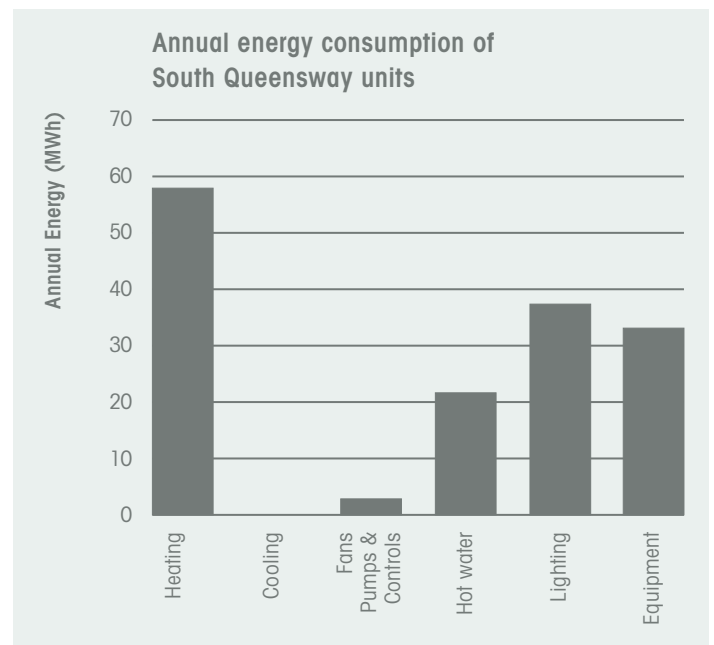
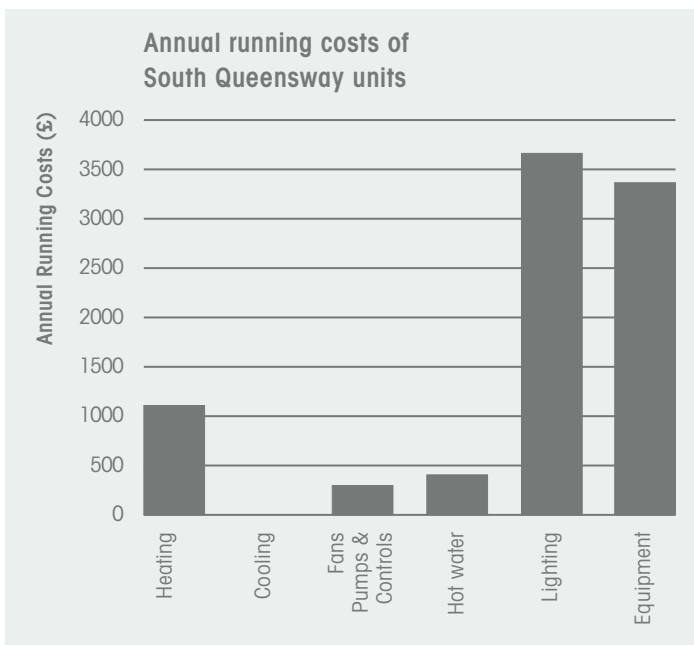


South Queensway Enviro21 Park energy cost and emissions analysis

The following analysis has been undertaken by consultants **John Packer Associates** into the forecast operating costs and CO₂ emissions of business units on the South Queensway Enviro21 Park.

- **25% fewer CO₂ emissions overall than standard new buildings**
- **87% fewer CO₂ emissions** – from heating & hot water using biomass instead of gas fired boilers

- **Cost stability** – biomass fuel costs are relatively stable compared with fossil fuels
- **Natural ventilation** – provides fresh air and individual user control
- **Building thermal mass** – absorbs heat to reduce need for air-conditioning
- **Natural daylight** – improves health & well being and reduces need for electric lighting
- **Brown roofs** – increase biodiversity & reduce surface water run-off



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- Data based on a typical South Queensway business unit. Forecast emissions for the units are compared with standards outlined by The Building Regulations Approved Document L2A: Conservation of Fuel & Power.
- Energy consumption and running costs for the units are based on National Calculation Method templates as used by Building Regs Approved Document L2. Actual energy consumption and costs will vary according to use by individual occupiers.