

# Environmental Case Study

## Energy Management

### SUMMARY

Queen Alexandra Cottage Homes provides sheltered accommodation for older people from Eastbourne, comprising 36 recently completed 1 bedroom flats, 15 older studio flats, 9 bungalows and a 25 bed nursing unit, which are in use all year. The buildings are a mix of 1920s to recent new build, all double glazed but with variable insulation. Management requested a free energy audit from the Business Excellence Through Resource Efficiency (BETRE) Programme to identify priority actions, and was then successful in obtaining a grant of £1,000 from BETRE to install cavity wall insulation in Devonshire House and Fovargue House.

### COMPANY BACKGROUND

Company: Queen Alexandra Cottage Homes  
 Sector: Care  
 Address: Eastbourne East Sussex BN23 6NE  
 Tel: 01323 730855  
 Web: www.qach.co.uk



### ENERGY EFFICIENCY

- Blown mineral fibre cavity wall insulation installed in Devonshire House and Fovargue House.
- Cost of the insulation = £3,315
- Estimated annual savings:
  - £950
  - 43,000 kWhs
  - 8,170 kgs of CO<sub>2</sub>

### PAYBACK PERIOD

<u>Benefit of the £1,000 grant</u>	<u>Years</u>
Without the grant	3.5
With the grant	2.4

*“Quote from Graham: (eg: The energy audit enabled us to identify the best way of improving our energy efficiency and cutting our energy bills, whilst the grant of £1,000 enabled us to implement one of the key recommendations from the audit. The cavity wall insulation will cut our energy bills, improve the comfort of our residents and reduce our carbon footprint – a win all round.” Graham Shuttleworth, Executive*