



Community energy and supply security

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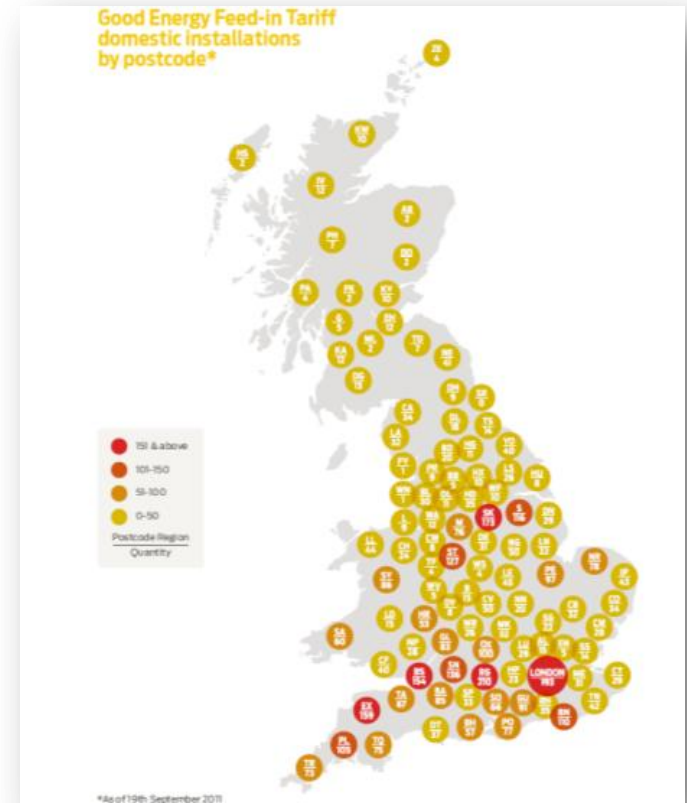


Together we do this



Good Energy: A different way of supplying electricity.....

- 100% renewable fuel mix
- 35,000 electricity customers
- 55,000 small-scale FIT generators across the UK
- Supply model based on contracted small/medium-sized independent generation
- Power purchased from largest 500 generators = ~ 80% of supply need





Community investment: Westmill Wind & Solar Farms

Westmill Wind Farm Co-operative:

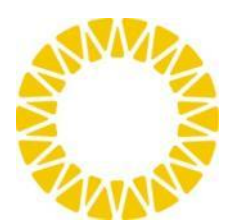
- 6.3MW wind farm , commissioned in 2008.
- 2,374 members. Priority given to people within 50 miles of site.
- Initial investment of between £250 - £20,000.
- Annual interest payment from Co-operative trading surplus.
- 2010 (after first full year of operation): Gross return of 2.7% (3.3% if EIS claimed) for shareholders.



Westmill Solar Farm Co-operative

- 5MW solar farm, commissioned in 2011.
- Acquired by community from a private developers via public share offer. World's largest community solar site.
- Offer raised £5.8m, initial offer 50% oversubscribed.
- First payment due in autumn 2013.





Generating community revenue: Isle of Gigha's 'Dancing Ladies'

- Isle of Gigha owned by community through Isle of Gigha Heritage Trust
- Off the west coast of Kintyre in Scotland, population c. 160.
- 3 x wind turbines known as "The Dancing Ladies". 675 KW in total.
- Scotland's first community-owned, grid-connected wind farm.
- 2002: Argyll & Bute Council 75% of housing stock owned by Heritage Trust in 'serious disrepair'.
- First 8 years, generated c. £75,000 of revenue per annum. Reinvested in community projects through Gigha Heritage Trust.





Providing resilient supply: Isle of Eigg

- Not connected to the mainland electricity supply. First received 24 hr. power in 2008.
- Mixture of different technologies to meet 95% of electricity demand:
 - 100kW Hydro electric generator
 - 10KW & 9KW Hydro electric generators
 - 4 x 6kW wind turbines
 - 30kW of solar electric cells
- Community effort to minimize consumption when renewable generation is low, halving installation cost:
 - 5kW max demand per household
 - Energy monitors show consumption & warnings
 - Homes installed with efficiency measures and micro generation
- Household electricity use is half the UK average.





Tackling fuel poverty: Wrexham Council

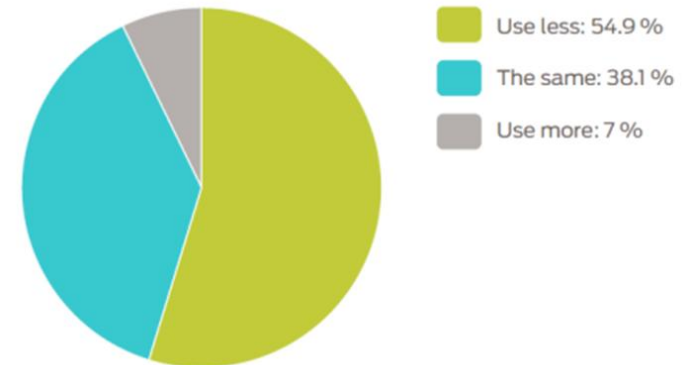
Social housing microgen projects helping to tackle fuel poverty:

- a) through behavioural change
- b) bill control
- c) FIT providing new revenue streams for energy efficiency investment

Wrexham Council

- 5MW. 3,000 solar arrays across Wrexham
- One of the largest council-led solar schemes in the UK, and in Europe
- Tenants, who pay on average around £70 a week to rent their homes, can expect £200-300 a year off their bills from electricity generated.
- Revenue generated will increase Wrexham's housing budget by nearly 10%, and will be invested back in public housing

Have you changed your energy usage to match your consumption?



Good Energy generator survey 2011



Solar PV on houses in Wrexham



Questions?



Website & Blog: www.goodenergy.co.uk

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