

SUMMARY OF CORNWALL'S ENERGY LAA PROPOSAL

Outcomes

- Stimulate growth of Cornwall's sustainable energy economy*
- Reduce greenhouse gas emissions & mitigate impacts of climate change
- Reduce fuel poverty and improve quality of life
- Cleaner more efficient production/products & services and shifts in consumer/citizen consumption patterns though choosing lower impact goods and services.

*LAA Stretch Target Title: *Renewable Energy Local Industry Enterprise - REALISE*

The Stretch Target

Indicators (Description of indicator)		Target 2006/7	Target 2007/8	Target 2008/9
1. KW installed capacity - heat, electric, cooling (domestic & community buildings with micro-generation installed)	Baseline (Data and date it was last updated): Accumulative total from 1972 to 31 March 2004 = 430 kW (0.4MW)			
	<i>Original target</i> Background projections assume same level of take up as 2004 = 135KW p.a. (2005: 565 KW)	700 KW	835 KW	970 KW
	<i>Stretch target</i> 69% increase	1183 KW (1.2 MW)	1411 KW (1.4 MW)	1637 KW (1.6 MW)
	The above figures are cumulative. VFM: 667kW of stretch for £1m PRG = £1500/kW 1637kW minus 565kW (2005 baseline) = 1072kW new installed capacity achieved between 2006 and 2009 (background and stretch) Average installation size = 5kW As a guide this is equivalent to approx. 214 installations by 2009 (1072/5). The actual No. will depend on type of technologies (historic range is from 1.4kW for solar thermal to 30kW for small hydro).			
2. No. of installations	Baseline (Data and date it was last updated): Accumulative total from 1972 to 31 Dec 2005 = 68 (17 electric + 51 thermal systems)			
	<i>Original target</i> Background projections assume same level of take up as 2004 = 24 systems/yr (2005 data not complete yet)	92	116	140
	<i>Stretch target</i>	116	141	214
	Stretch = 74 extra installations by 2009			

Parameters of the stretch target (eligible buildings & technologies):

Domestic buildings - social or private sector, existing or new build.

Community buildings - facilities run and/or owned by third sector and community organisations.

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Micro-generation technologies

Technologies that produce heat, cooling, light and/or power on a small scale from a zero carbon or low carbon source. These can include: Ground source heat pumps - Water source heat pumps - Air source heat pumps - Photovoltaic (Solar Electric) panels (PV) - Micro CHP (CHP = combined heat and power) - Micro wind - Micro hydro - Buildings integrated biomass heating - Buildings integrated biomass CHP - Conversion of domestic oil fired heating systems to take locally grown bio oil - Solar hot water panels - Solar lighting (including hybrid lighting) - District energy (incl. CHP where it directly supplies homes and/or community buildings) - Fuel cells.

The 'micro-generation' definition does not include large centralised grid-connected plant (e.g. wind farms, energy from waste) or insulation (already covered by previous LPSA energy deprivation target).

Proposed CSEP Actions to deliver the Stretch Target

- New Technical Project officer post based at CSEP - to encourage & facilitate projects.
- Events - supplier meets market, conferences, seminars
- Marketing & awareness raising of technologies available
- Data collection, monitoring, reporting
- Capital support for microgeneration measures

Other non-stretch Energy LAA Actions

Because the LAA stretch pump-priming funding is limited, the Partnership will seek alternative funding to complement the wider LAA energy activities, which are:

- Installation of sustainable energy measures in public sector and commercial buildings
- Initiatives to establish new energy supply chain infrastructure.
- Skills training to increase Cornwall's capacity to provide sustainable energy expertise, advice, suppliers, installers and products. Growing the knowledge economy.
- Develop model planning policy.
- Data collection on wider indicators - including proposed GIS Energy Map of Cornwall.
- Installation of energy efficiency measures in domestic buildings (e.g. Home Health projects).
- Raise awareness of sustainable energy options and energy efficient behaviour in all sectors.

Contacts

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