



Development of a replicable model for local energy supply in Cornwall

Smart Energy Marketplace – 28 March 2017

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The Cornwall Deal – Energy work stream

Barriers

ECO programme
poor fit for
Cornwall

Grid
constraints

Stagnating
community
energy groups

Poor economic
benefit from new
technologies

Cornwall Deal

Energy
Efficiency
pilot

Grid and
Storage
pilots

Community
ownership
pilots

Geothermal
and Enterprise
Zones

**Cornwall's
local energy
market**

A better deal for
Cornwall



Cornwall's energy future

We will create an energy future that is cleaner and more affordable, retaining the social and economic benefits in Cornwall.



CORNWALL & ISLES OF SCILLY
LOCAL ENTERPRISE PARTNERSHIP



Cornwall has a wealth of renewable energy resources...



Best wind resource in Western Europe



Best solar resource in mainland UK



Best geothermal resource in the UK



Huge potential for marine renewables



We will exploit this unique opportunity to...

Tackle energy inequalities



Making our homes, businesses and transport greener and more affordable.

Take local control of our energy



Generating, owning and using our energy locally to reduce bills.

Become a world-leading green economy



Retaining benefits in our communities and securing year round jobs.

but Cornwall is not benefiting and we currently spend £1bn a year on our energy



People are struggling to heat their homes



Public sector budgets and funding are reducing



Our economy is under performing



Our infrastructure is outdated

We will create an energy future that is cleaner and more affordable, retaining benefits in Cornwall

2030 outcomes



Reduce fuel poverty to 5%



50% locally owned generation



100% electricity demand met by renewables



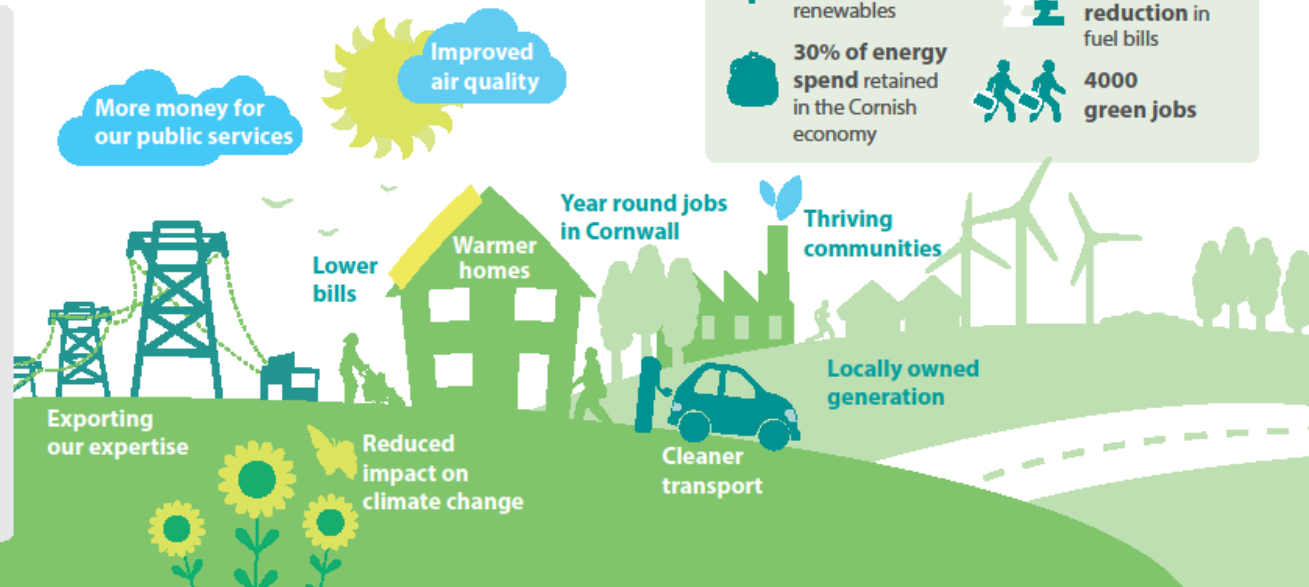
20% reduction in fuel bills



30% of energy spend retained in the Cornish economy



4000 green jobs



A pilot that is replicable, scalable, sustainable and has communities at its heart


- Accessible model for community energy groups
- Makes use of local electricity generation
- Benefits for local residents
- Accommodates technology and market changes
- Retains value
- Has potential to overcome any regulatory or commercial barriers
- Is financially viable and sustainable

- Complex Site/Energy Local Club
- Cornwall time of use tariff
- Automated demand-generation matching
- Aggregator ESCO
- Trading platform
- Licence exempt private network
- Network leasing or buy-out
- Mass microgen rollout



SET-UP

Interreg Europe



SET-UP aims at improving energy performance of the partner regions with enhanced policies on smart grids, addressing three main challenges of empowering consumers, developing economic models and securing funding sources.

www.interregeurope.eu/set-up



European Union
European Regional
Development Fund



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