

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
LEGAL 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



of our electricity demand met by renewables in 2016

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.

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

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



of our energy spend leaves the local economy



People are struggling to heat their homes



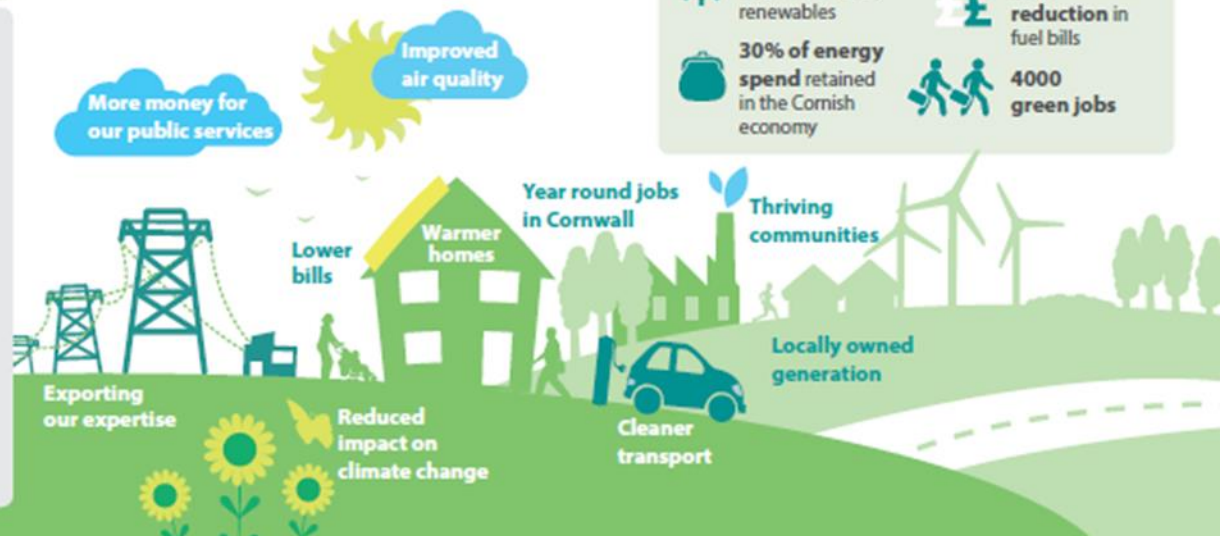
Public sector budgets and funding are reducing



Our economy is under performing



Our infrastructure is outdated





ERDF Low Carbon Investments

£68m total funding contracted

- Local Energy Market £18.7m
- Cornwall New Energy £6.5m
- Jubilee Pool Geothermal Heat £1.8m
- Smart Islands £10.8m
- Wave Hub cable extensions £3.2m
- Marine Technology RD&I Hub £9.3m
- United Downs Deep Geothermal £18m

Another £27.6m allocated


- Low carbon transport systems £7.2m
- Energy Efficiency £1.95m
- Low Carbon £9m
- Geothermal £8.7m

**Totalling circa £107m of investment into low carbon across CloS
(£34m of match funding)**



Collaborative approach

- Lack of resource
- Expertise
- Shared learning
- Added value
- Scalability
- Aggregation
- Supply
- Demand
- Heat
- Power
- Transport
- Infrastructure



Whole systems approach

Unlocking a Geothermal Industry

- Stage 1
 - Funding
 - Opportunity
- Stage 2
 - Proving the resource
 - Local benefit
- Stage 3
 - Commercialisation
 - National context
- Stage 4
 - Next sites
 - RD&I
 - Public perception
 - PR
 - Investor confidence
- Linked industries
- Supply chain



Stage 3 – Commercialisation

- Power supply
 - local supply
 - PPA
- Heat supply
 - local supply
 - new industry
- Minerals
 - extraction
 - processing
- Infrastructure
 - flexible
 - DSR
 - storage
 - energy vectors
- Barriers
 - Policy
 - Market regulations
 - Business models
 - Innovation
 - Public perception
 - Investor confidence
 - Technology confidence
 - Legal

Going forward

- Expert panel
 - Cross discipline LEP and industry
 - RO's
 - Community's
 - Service providers
 - Regulators
 - Council and public sector
- Remit
 - Barriers and solutions
 - Project development
 - Funding opportunities
 - Industrial Strategy Challenge Funds
 - Strength in Places
 - Strategy development
 - New Frontiers – devolution
 - 3 LEP Strategy
 - 'Cornwall's energy future'
 - Consultation responses

United voice

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