

Scaynes Hill

Talk by Chris Rowland & Nick Rouse – Ouse Valley Energy Services Co Ltd



My home town – Lewes in East Sussex

IPCC – Climate Change 2014:

- Undermine economic growth and increase poverty.
- Britain at risk from some of the more immediate negative effects of climate change
- UK warned to expect increased coastal and inland flooding, heatwaves & drought

Lewes 2000



Narrowly avoided flooding in 2014



Europe at night from international space station

The second law of thermodynamics has profound implications on our energy future.

The world is totally and utterly dependent on cheap and abundant energy (currently mostly from fossil fuels).

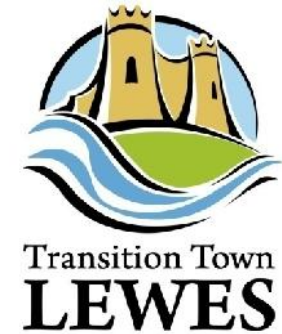
The average developed world citizen consumes the energy equivalent of 140 slaves working 24/7.

Our energy future should therefore be at the very top of the list of priorities of each and every world citizen.

Energy efficiency is key!

Transition Town Lewes

Local solutions for global problems



Our core purpose is to mobilise and facilitate community action in order to respond effectively and positively to climate change and peak oil.

www.transitionnetwork.org

open energy-saving house weekend
Sat 19/Sun 20 June 2010

Visit houses in and around Lewes to find out what others are doing and what you can do to reduce energy consumption at home, make your house cheaper to run and reduce your environmental impact
www.transitiontowns.org/Lewes/energy
or phone 01273 472405

Transition Town LEWES OVEsCo



Worried about the rising costs of fuel and energy?

Visit the Lewes Energy Fair
June 21st Cliffe Precinct 10-2pm
Stalls/demonstrations/information
Talks and film show 3-5pm
at the Thomas a Beckett hall

LEWES Energy Fair



- Set up by a group of Lewes residents who meet at a Transition Town Lewes Open Space day in 2007 about energy
- Two companies Ouse Valley Energy Services Co Ltd (2006) and OVESCO Limited an Industrial & Provident Society for community benefit (2010)



First project



Our first project at Harveys depot in Lewes

It's hard work, but it's also FUN & REWARDING

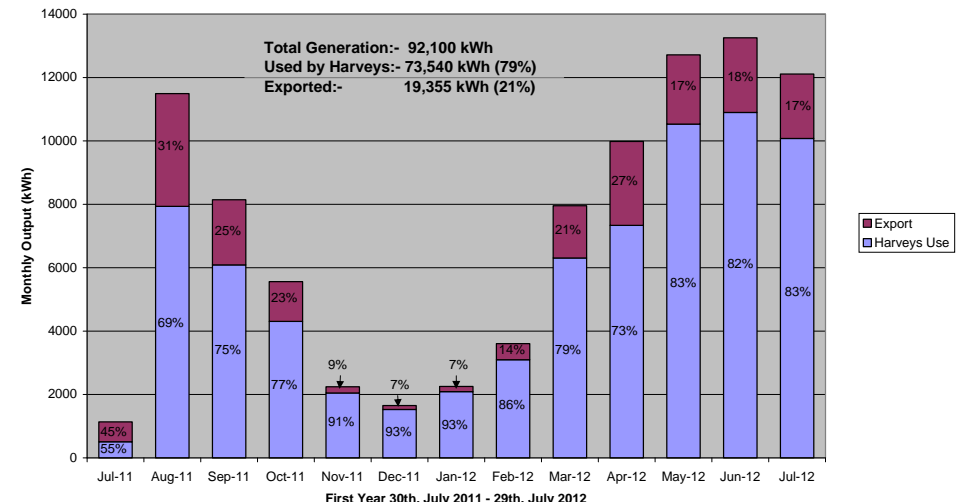
1st share issue launch night in 2011



Success – it works!

Our 1st Community energy project Harveys Brewery warehouse PV project

- Successful launch of 1st share issue - raised £356,810 with 247 investors
- The Harveys PV project - 98kWp 545 PV panels – Capital investment £306,000 inc setup costs – project commissioned 27th July 2011
- Total generation for year 1st year – 92,100 kWh almost reaching our prediction of 92,361 kWh in low a sunlight year for PV generation
- Calculated Income from generation for 1st year - Feed-in-Tariff (£31,088) & Invoiced export to grid (£) = £357 **Total = £31,445**



Income & comparing the projects – Current ROI before project costs



	Harveys Depot	Priory School	Brickyard Farm	Barcombe Nursery
Cost	£306,000	£59,833	£33,533	£17,600
Rating	98 kW	35 kW	19.5 kW	9 kW
Predicted Output	92,300 kWh p.a.	40,580 kWh p.a.	18,525 kWh p.a.	8,216 kWh p.a.
Predicted Earnings	£31,445 p.a.	£6,168 p.a.	£2,815 p.a.	£1,380 p.a.
Return on Investment	10.2% p.a.	10.3% p.a.	8.4% p.a.	7.8% p.a.

- Tax - Enterprise Investment Scheme (EIS & SEIS)
- Feed-in Tariff
- Renewable Heat Incentive
- Renewable Obligation
- Grant funding where appropriate
- Carbon reduction & positive change

- Viable business models – not just voluntary work
- The need to scale up
- Access to the grid
- Government policy needs a clear message with vision
- Making energy efficiency pay its way
- Building partnerships

Making 'Positive News'



Solar power station plans for brewery

By ANNE MORRELL
 sussexexpress.com.uk

REMARKABLE plans are in the pipeline to make Harvey's Brewery a community owned solar power station.

Harvey's would be situated on the roof of the Brewery in Lewes, the brewery's main storage and distribution centre. The feasibility of the project is being discussed by Lewes and Lewes-based organisations OVESSCO and a planning application has been submitted to Lewes District Council.

The general building insulation works for the building are due to be completed in the next few weeks and will be carried out by the same contractor responsible for the roof.

Eventually, the scheme could involve installing a 1MW solar photovoltaic (PV) panel array on the roof of the Brewery. The PV panels would generate clean, renewable energy and reduce the building's carbon footprint. The scheme is being supported by Lewes and Lewes-based organisations OVESSCO and a planning application has been submitted to Lewes District Council.

There's a bit to mention. It's a bit of a long way from the roof of the Brewery to the roof of the Brewery. It's a bit of a long way from the roof of the Brewery to the roof of the Brewery. It's a bit of a long way from the roof of the Brewery to the roof of the Brewery.



Sunshine does power of good for villagers

By ANNE MORRELL
 sussexexpress.com.uk

COMMUNITY members are helping to fund a solar power station for the village of Bignor. The scheme is being supported by Lewes and Lewes-based organisations OVESSCO and a planning application has been submitted to Lewes District Council.

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School that's starting to run on sunshine

By ANNE MORRELL
 sussexexpress.com.uk

THE roof of Priory School, Lewes, now boasts 400 solar panels. The school is the first in the Lewes area to have solar panels installed on its roof. The scheme is being supported by Lewes and Lewes-based organisations OVESSCO and a planning application has been submitted to Lewes District Council.

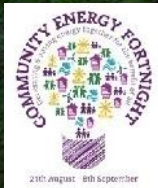
The scheme is being supported by Lewes and Lewes-based organisations OVESSCO and a planning application has been submitted to Lewes District Council.

How can we help others?



www.communityenergysouth.org

HOME ABOUT » GROUPS » EVENTS BLOG CONTACT US



Growing energy groups in the South East



Local Map of Community Energy South



Peer mentoring energy groups & social action



Setting up ten new energy Coops & Sussex Energy Saving Partnership



Cabinet Office



DECC – Community Energy Strategy

Some key points:

- Community energy 0.5 - 3GW of electricity by 2020 (2.2-14%)
- There is significant potential for growth
- LAs may provide loan funding & partnerships
- Community heat – lack of awareness
- Make processes as simple as possible
- By 2015 it should be the norm for communities to offered some level of ownership by commercial developers



Community Energy Strategy:
People Powering Change

27 January 2014

Why use the big SIX?

How about trying:

- Ecotricity



- Good Energy



- OVO



- Co-energy



Community Energy....

- 1** is critically important for sustainable energy transitions
- 2** is a diverse, growing, grassroots-led movement
- 3** is about much more than just sustainable energy
- 4** thrives on local enthusiasm, but can't rely on goodwill alone
- 5** is as much about soft skills as it is about hard technology
- 6** is not yet being taken seriously enough by government
- 7** is connected to community and sustainability networks
- 8** benefits from strong support networks and organisations
- 9** reaches parts of society the private sector alone cannot reach
- 10** demands flexible and tailored policy support at all levels



www.ovesco.co.uk

Thank you – Chris Rowland

