

FOOTPRINT TRUST



Energy Future Event...

Find out about energy saving, renewable energy, energy grants...meet experts...get a free low energy lightbulb....

Saturday
2 February
Riverside Centre
Newport
10.30am—5pm

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Peak Oil...what it will mean for the Isle of Wight...



Public Meeting

Saturday 2nd February
7pm -Riverside Centre
Newport.

Waterworks—
success thanks to
your support...

IN THE PINK

The Footprint Trust have launched a pink pen— but what's green about that?

The bright pink biro, which are being placed in libraries and help centres across the Island - are made from recycled car parts.

They are modelled here by Jessica Burton, whose last assignment was for Hello magazine.

'I'm hoping to move on from pens to something more glamorous...but I was delighted to be able to promote this fun pen which helps the planet...' said Jessica.



Speaking for Footprint Trust Ray Harrington-Vail said. *"Recycling plastic reduces energy and water usage...only by using recycled products will we stimulate recycling schemes.."*

The pens carry the message 'reduce your footprint' and have the charity's website on them www.footprint-trust.co.uk

They were funded by the EU Leader Lite programme.

Get your free pen at the Energy Futures event on Saturday February 2nd - Riverside Centre , Newport

PEAK OIL AND CLIMATE CHANGE

By
Dr Colin.J.Campbell

Association for the Study of Peak Oil and Gas .

After being awarded a Ph.D at Oxford in 1957, Dr Campbell joined the oil industry as an exploration geologist. His career took him to Borneo, Trinidad, Colombia, Australia, Papua New Guinea, the USA, Ecuador, United Kingdom, Ireland, and Norway.

He has published extensively, and his recent articles have stimulated lively debate. His views are provocative yet carry the weight of a wide international experience.

Find out more.....

www.peakoil.net



Peak Oil and Climate Change are in some respects two sides of the same coin leading to fundamental changes over the rest of the century. Oil and natural gas were formed under well understood processes in the geological past, meaning that they are finite resources subject to depletion. In fact, massive releases of carbon dioxide from volcanic eruptions gave for the rare climatic and oceanic conditions responsible.

The oil industry has now searched the world always looking for the biggest and best prospects with the help of ever more sophisticated methods and geological understanding, also enjoying a happy economic environment whereby most of the cost of exploration was taken as a charge against taxable income.

It is not surprising therefore that the best provinces and the biggest fields within them were found first, explaining why oil discovery has been relentless decline for the past forty years.

Extrapolating the downward trend indicates that not more than about 900 Gb (billion barrels) of *Regular Conventional* oil are left to produce. There are additional amounts of heavy oil, tar, oil-shale, deepwater oil, polar oil, and gas liquids, but they are difficult, costly and slow to extract.

Production in any oilfield begins to fall when there is no more room to drill new wells and the existing wells go into decline due to the physics of the reservoir. The production of a country or region with fields of different sizes and dates typically has a bell-shaped profile. The generality of the position is easy to understand, but much confusion surrounds the reporting of reserves, which has been influenced by commercial, financial and political pressures.

Piecing it all together as well as possible indicates that the peak of *Regular Conventional* oil has already been passed, and that the overall peak will come around 2010.

Much heated debate surrounds the date, but rather misses the point when what matters is the vision of the long slope that comes into sight on the other side of it. In short, we come to the end of the First Half of the Age of Oil, when the abundant flow of new energy led to the *expansion* of industry, transport, trade and financial capital, allowing the population grow six-fold in parallel.

The Second Half, which now dawns, will see the corresponding *contraction*. The transition threatens to be a time of great social, political and economic tension, possibly accompanied by wars as consumers vie with each other for control the remaining supplies, but may eventually herald a new more benign age for the survivors living in better equilibrium with the environment in which Nature has ordained them to live.



Waterworksa river of change...

"When the Footprint trust came up with the idea of launching the Waterworks project back in 2005 - we never could have predicted what would happen in 2006..." said Ray Harrington-Vail the Trust's General Manager.

There had been a dramatic decrease in available water due to shortage of rain over the previous 12 months. Today we all use 50% more water than 25 years ago - we use around 160 litres per person every day. Even without water shortages the Trust wanted also wanted to highlight the importance of not wasting water due to the energy used to move water and sewage around, plus the effect on river wildlife and groundwater resources.



The aim of the Waterworks project was to highlight the importance of conserving water resources on the Isle of Wight. The idea was backed by both Southern Water and the Environment Agency. Funding was provided by the IW AONB Sustainable Projects Fund and the IW Economic Partnership's EU Leader+ Programme.

But 2006 proved to be one of the worse droughts to have hit South East England and the Isle of Wight since 1976. In fact we were experiencing one of the driest periods since the 1930s. It was the warmest summer in Britain for some 350 years. Man-made Climate Change seemed to be affecting the weather in many ways at home and across the world. Records were being broken almost every month. The warmest July on record - 17.8 °C. In October 2006 torrents of rain broke records with flooding in parts of Suffolk, London and Scotland. In 2007 firefighters from the Isle of Wight joined crews from the all over the country to assist with flooding in Castlemead, Gloucestershire. 2007 was another record breaking year with torrents of rain causing disasters across the Midlands and other parts of the Country. **The record for the hottest day ever in Britain was broken on 10th August as temperatures soared to 38.1C (100.6F) in Gravesend, Kent.** The USA saw its longest lasting heatwave with more than 2,000 new daily high temperatures. Countries across the world, from China to India and Sudan to Indonesia, are experiencing severe wet weather.

People, schools, small businesses and community groups have been very keen to do their bit and help conserve water. Here are some figures...

The Waterworks project was able to make a real impact during the last two years by attending public events, assisting some 6131 adults and 2000 young people, visiting 22 schools and speaking with 3548 pupils schools. Carried out eco-audits in 14 community buildings and given numerous talks to local societies. Given guidance to hundreds of island businesses and charities.

We have distributed some 1150 Save-A-Flush bags - assume 73% in use = 840 - 840litres x 11 flushes/day x 365 days = 3,680,000 litres each year OR 5½ West Wight swimming pools each year.

We have given away some 1741 low-energy bulbs - all in use - assume 5hrs/day average-each bulb saves 140 kwh pa = £14pa @ 10p/kwh So 1741 bulbs are saving 244,000 kwh pa = £24,400. Reducing carbon emissions by 180 tonnes.

www.metoffice.gov.uk All weather statistics provided by the Met Office.

See also New Scientist Article - *Extreme weather brings flood chaos round the world* 30 July 2007.

www.newscientist.com

Peak Oil expert comes to Newport.....

Jackie Carpenter is a chartered mechanical engineer and an expert on renewable energy, especially local community-based systems.

She is to speak on Saturday 2 February at the Riverside Centre at 7pm on the subject of Peak Oil. The latest event organised by the Isle Cut Carbon campaign sponsored by the Footprint Trust.

Jackie became the most senior woman engineer in Brown and Root, managing multi-million-pound projects. She founded the charity, Energy 21, "uniting action for renewable energy". She is a past President of the Women's Engineering Society. Jackie set up her home in Stroud to run on 100% renewable energy and has recently moved to Cornwall to help create a new sustainable community. She is a freelance speaker and writer .

Ray Harrington-Vail of the Trust said, ' We are delighted to have such an eminent speaker coming to the Island. It is very important that people of all ages come and hear what Jackie has to say. Oil gives us our daily food, our energy and many other necessities of modern life....and its about to become a lot more scarce and more expensive... the Island must prepare itself..'

Visit us on the web
www.footprint-trust.co.uk

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Community supports low-water garden!

Parents and children turned out in force to help turn a boring piece of lawn into an aromatic garden in Ryde.

Some twenty people of all ages came along to and created a mixed shrubbery of plants which will used in cooking and will attract wildlife.



Residents of Melton House didn't even have to water the plants in...as no sooner than they finished nature provided a drenching of rain.

The residents will not have to bother watering the garden in the future as all the plants are drought tolerant. The project was supported by SW Housing Association and the Footprint Trust's Waterworks project. Other beds have also been created at Freshwater Bay, Sandown Railway station, Yarmouth gateway, Coppins Bridge and Dinosaur Isle. This has been made possible by support received from a number of bodies including the IW Council, Community Rail Partnership, SouthWest Trains, FWBRA, EU Leader+ and the AONB project.

An Adopt-A-Garden scheme will be launched in the new year by the Footprint Trust. Encouraging those with overgrown gardens to share them with those who have no garden but want to grow their own vegetables etc.



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