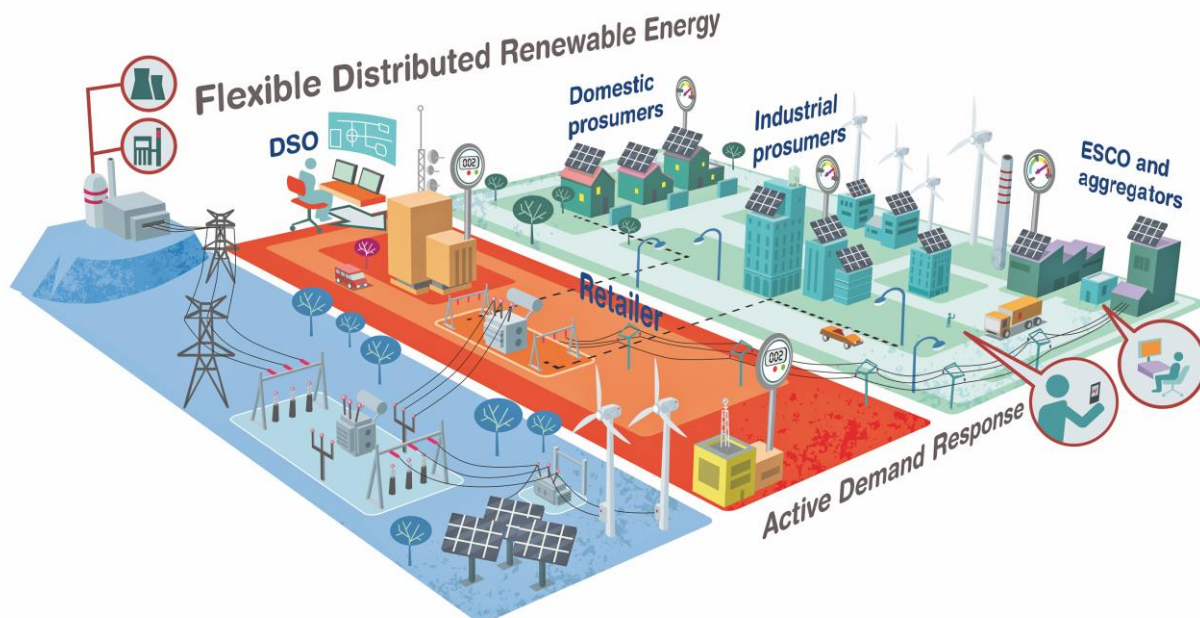


Café Scientifique Headingley

Monday 11th December 2017 at 7:30pm

Your role in the Future Energy System
by Matt Fawcett & Ben Aylott



Outline: The move to a low carbon energy system is one of the greatest science and engineering challenges we currently face. The intermittent nature of renewable power sources and the electrification of transportation and heating make grid balancing far more complicated than in the past and puts significant strain on our aging energy infrastructure.

In order to meet this challenge, providing energy security and tackling climate change, we need to drastically rethink not only power generation but also distribution and consumption. As consumers the crucial question is not how much energy we use, but how and when we use it. This presentation will include: A brief introduction to our current energy system and its challenges; The role of smart grids, batteries and electric vehicles; Demand Response: Not just energy reduction but energy shifting; Early adopters and conscious consumers - aggregating our demands for a low carbon future.

Biogs: Matt Fawcett – is Co-founder of the *Carbon Coop* a Manchester-based co-operative working with local householders to achieve radical carbon reductions via home retrofit, local generation and piloting innovating demand side solutions.

Ben Aylott – is Systems Developer at *Carbon Coop* and holds masters degrees both in physics and solar energy.

Carbon Coop is the UK pilot site part of the *NOBEL GRID* European project working with generation, distribution and energy consumer cooperatives around Europe to pilot new community controlled energy infrastructure.

Venue: The New Headingley Club, 56 St Michael's Rd., Leeds LS6 3BG

Time: Club opens at 7:00pm for drinks & the room at 7:30pm; talk begins promptly at 7:45pm

Entry: Donation please for room hire and expenses: **£3 at the door**



Café Scientifique Headingley is a programme run under the auspices of the Headingley Development Trust www.headingleydevelopmenttrust.org.uk