

# East Midlands Branch

Severn Trent Water Ltd, Endeavour House,  
Raynesway, Derby, DE21 7BE

Wednesday 23<sup>rd</sup> November 2016

17:30 for 18:00

## Keeping the Lights On – Energy and Carbon Management Talk by Richard Knight of ETI and Cristina Calleja of LCMB



Building  
Performance  
Specialists

Our first speaker Richard Knight will talk on "Transitioning the UK energy system to 2050". He is a Chartered Electrical Engineer with 25 years' experience within the UK energy industry who has worked at National Grid and Rolls-Royce before joining the Energy Technologies Institute (ETI) in June 2008. He is currently responsible for developing, defining and ensuring the technical quality of the ETI's low carbon energy innovation investments. A major part of this role is assessment of new technology innovations and their application and integration into the UK energy system to support delivery of UK energy targets.

Richard will summarise the challenges and opportunities associated with transitioning the UK energy system to a very low carbon future. He will review the current make-up of the UK energy system and the UK's long-term energy targets and go on to describe the ETI's analysis of what is required over the next 35 years to deliver these targets. He will include observations on the impact of carbon constraints on the technology mix and how system-level analysis can help identify lowest cost transition pathways.

Cristina Calleja (Ciwem, C Env) will then give us an insight into "Energy Management and Behaviour Change at Birmingham Airport". She has over 10 years' experience at the Environmental Technology Centre in the University of Nottingham and now at LCMB where her focus is helping clients minimise carbon and energy usage to reduce financial and environmental impact. Her clients include Birmingham Airport (as part time energy manager), University of Reading and Kings College London.

Birmingham International Airport sees over 10 million passengers a year and plans to double capacity by 2020. Since May 2013 LCMB has supported Birmingham Airport's aspirations to reduce energy demand and associated costs and carbon emissions. Cristina will summarise the key actions taken to achieve a 5% reduction in energy consumption and a 26% reduction in CO2 emissions per passenger.

**CIWEM gratefully acknowledges the support of Severn Trent Water for providing the venue and RPS Clear for sponsoring this event.**

For further information and to let us know that you will be attending so we can organise the buffet appropriately please contact:

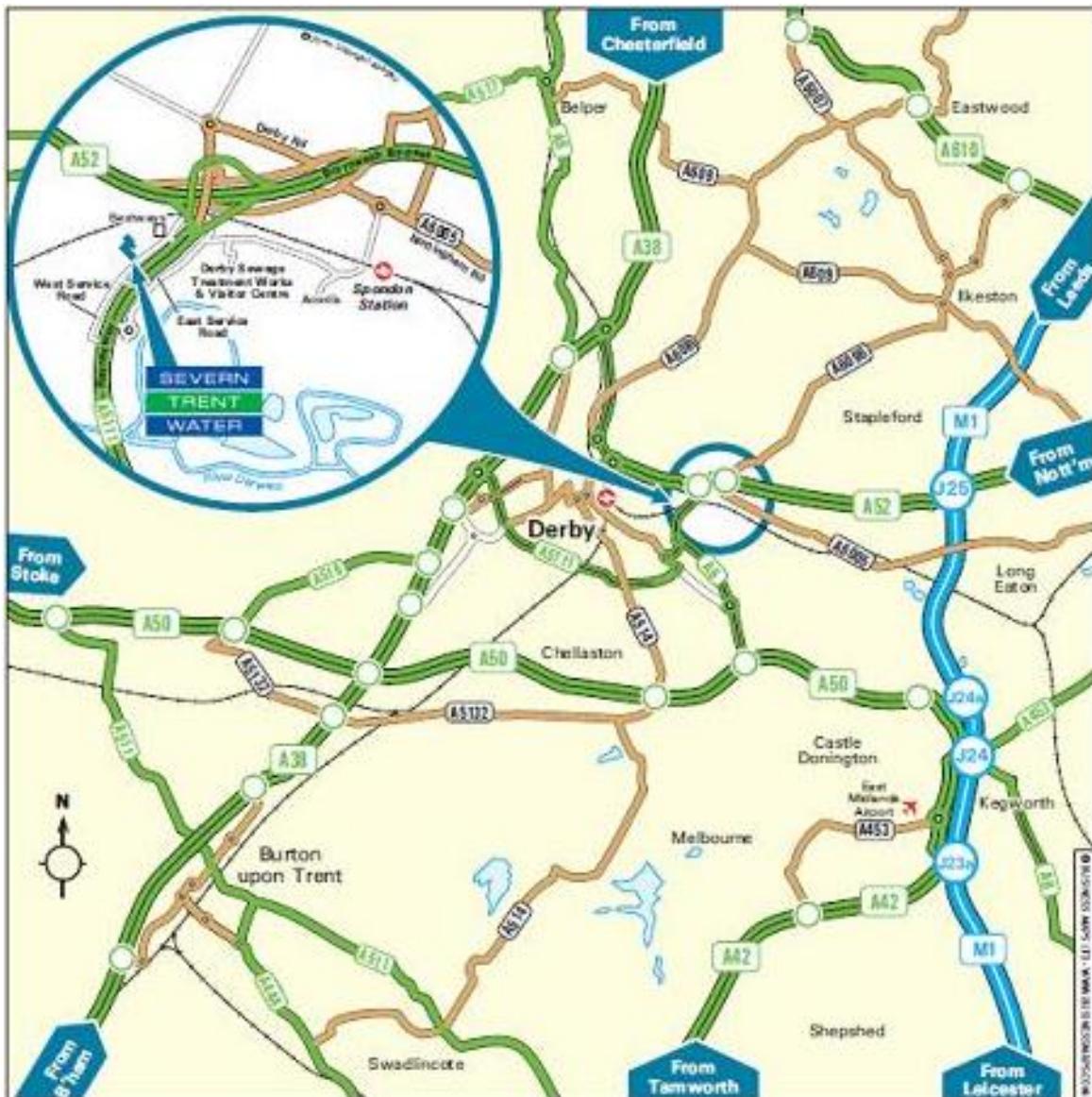
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[http://www.ciwem.org/branches/east\\_midlands/](http://www.ciwem.org/branches/east_midlands/)

# Keeping the Lights On – Energy and Carbon Management

(23<sup>rd</sup> November 2016)

Full address: Endeavour House, Raynesway, Derby, DE21 7BE



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Train - Spondon station, off Megaloughton lane, is 10 - 15 minutes walk from Raynesway - services are limited. Derby City Station is approximately a 15 minute taxi ride.

Bus - The 73 service can pick up at the rail and bus stations and there is a stop on The Raynesway close to Severn Trent's offices. For No 73 timetable please [click here](#).