



Achieving long term energy cost security from renewable sources



Who are TEC?

Established in 1994 (25yrs) from AUDE

135 Institutions

92% of Members from Education

£166M+ annual collaborative spend*

9TWh Volume under Active Risk Management

7,300+ Meters (Gas & Power)

100% transparency on all Commission/Fees



TEC are a not-for-profit Public Buying Organisation owned by it's Members





Our Strategic Partners





























What We Do?

- Continually develop a broad range of energy services
- Provide specialist energy market expertise
- Education and Insight at strategic and operational levels



Our **mission**, above all else, is to champion the interests of the education sector by delivering cost-reduction and sustainable energy solutions for our members



HEI CHALLENGES

Decline in student numbers



Plans to cut tuition fees to £7500



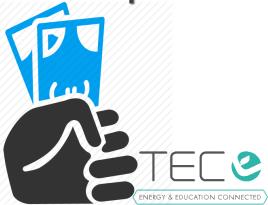
Energy 20% of total estate costs



Alternatives available to degree education

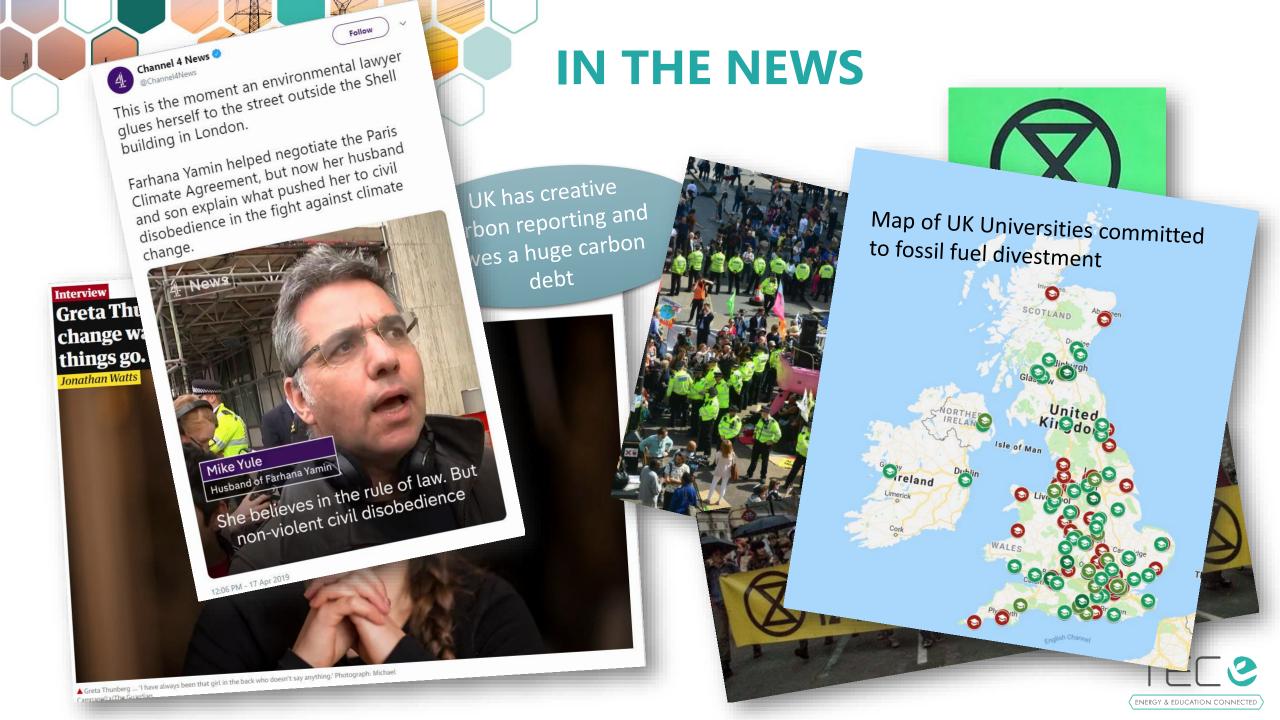


Decline on impactable spend



Volatility in energy pricing









GREEN TARGETS

PM THERESA MAY COMMITS TO NET ZERO UK CARBON EMISSIONS BY 2050



So how can you achieve cost security & meet your environmental, student and political stakeholders needs?





Onsite challenges

- Carbon neutrality
- Increasing energy demand
- Energy efficiency
- Local infrastructure











PPA Criteria

Before entering into a PPA, you should consider key variables and business models.

All will vary with:

- Technology,
- Size and Output
- Risk Profile
- Financing



Regulation & Policy

What may change over the contract lifetime and what can be mitigated?



PPA, negotiation and project development. Can you meet the longer term expectations?

Supplier

What's their involvement? Supply contract? Optimisation?

Investment value

What proportion of your volume can you invest?

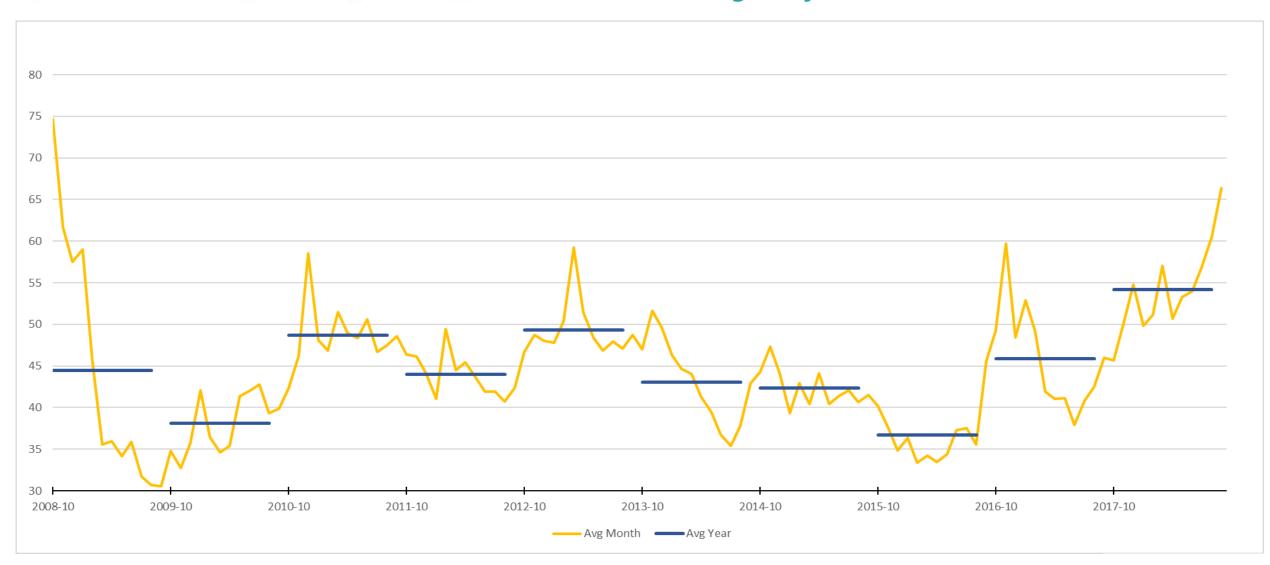
Pricing Assumptions

What price are you willing to accept vs a typical supply contract?





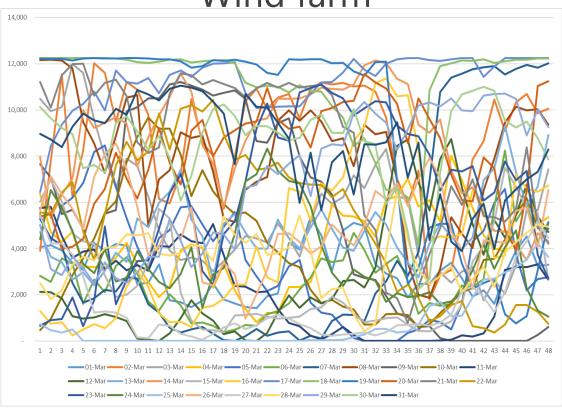
What's a good price? Historic Average Day Ahead Price



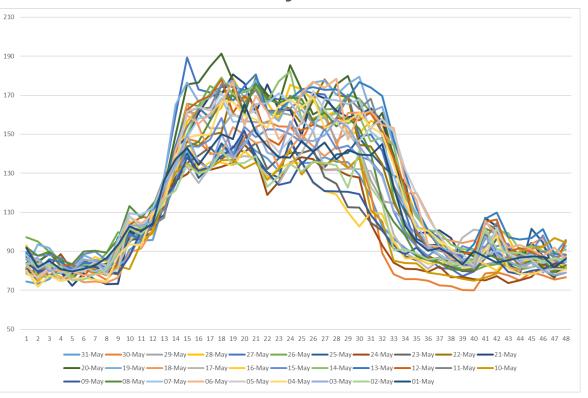


Volume Challenge

Wind farm



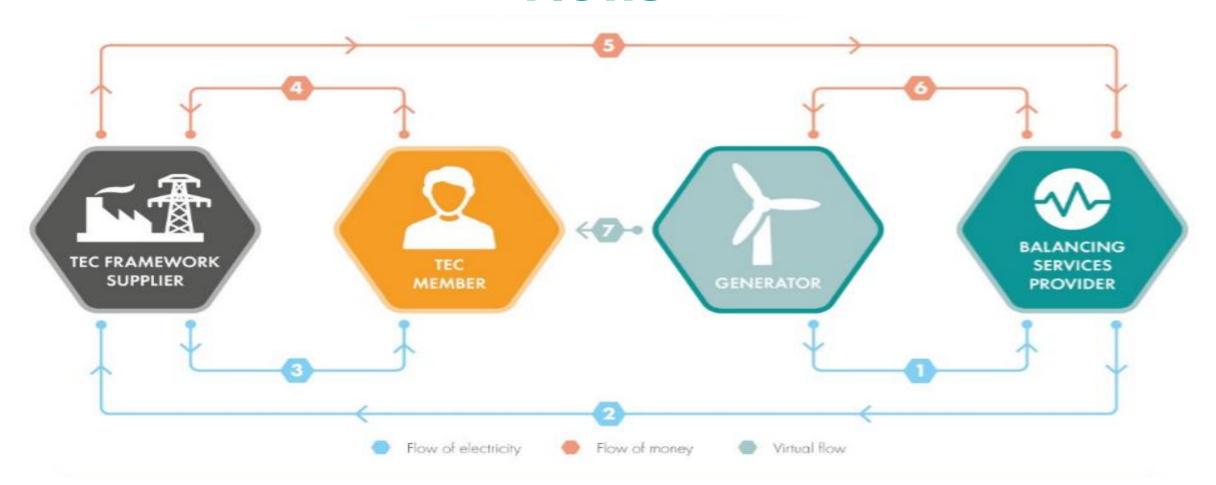
Buyer







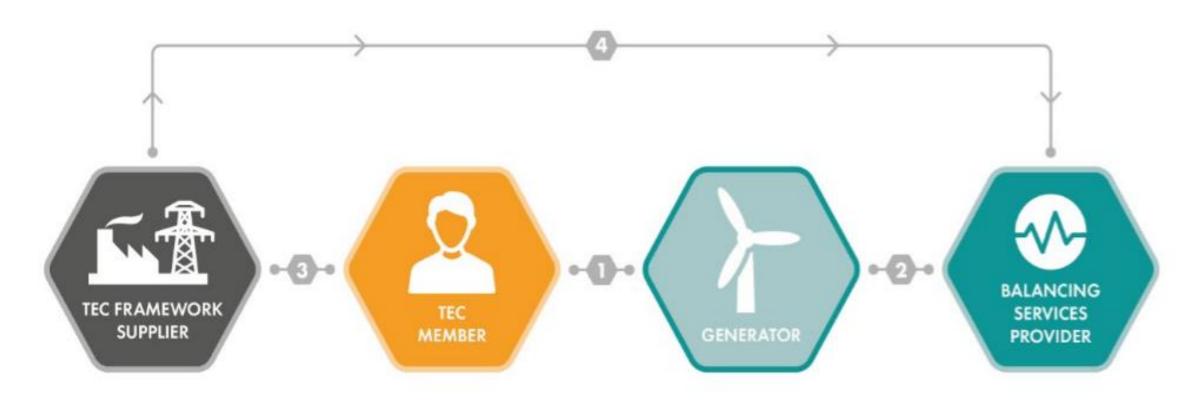
Electrons & Financial Flows







Legal Agreements







What can your Influence achieve?

- Access to this market is possible with collaboration and the right partners
- You can mitigate risk by strategy with the opportunity to commit more/less based on your institutions needs
- Carbon reduction and Climate Change are not going away
- Opportunity for the Sector to support renewable generation
- Cost security and defence of budget

