

The Big Energy Summit 2019

15 March 2019
Stratford



What Are You Doing About Energy?

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Introduction

- The answers to two simple questions:
 - Where is the energy market going?
 - And what should local authorities be doing about it?



Climate Change

- Where it all starts
- IPCC Special Report 2018
- The last wake up call for the planet
- A solid foundation for change



The Energy Transition

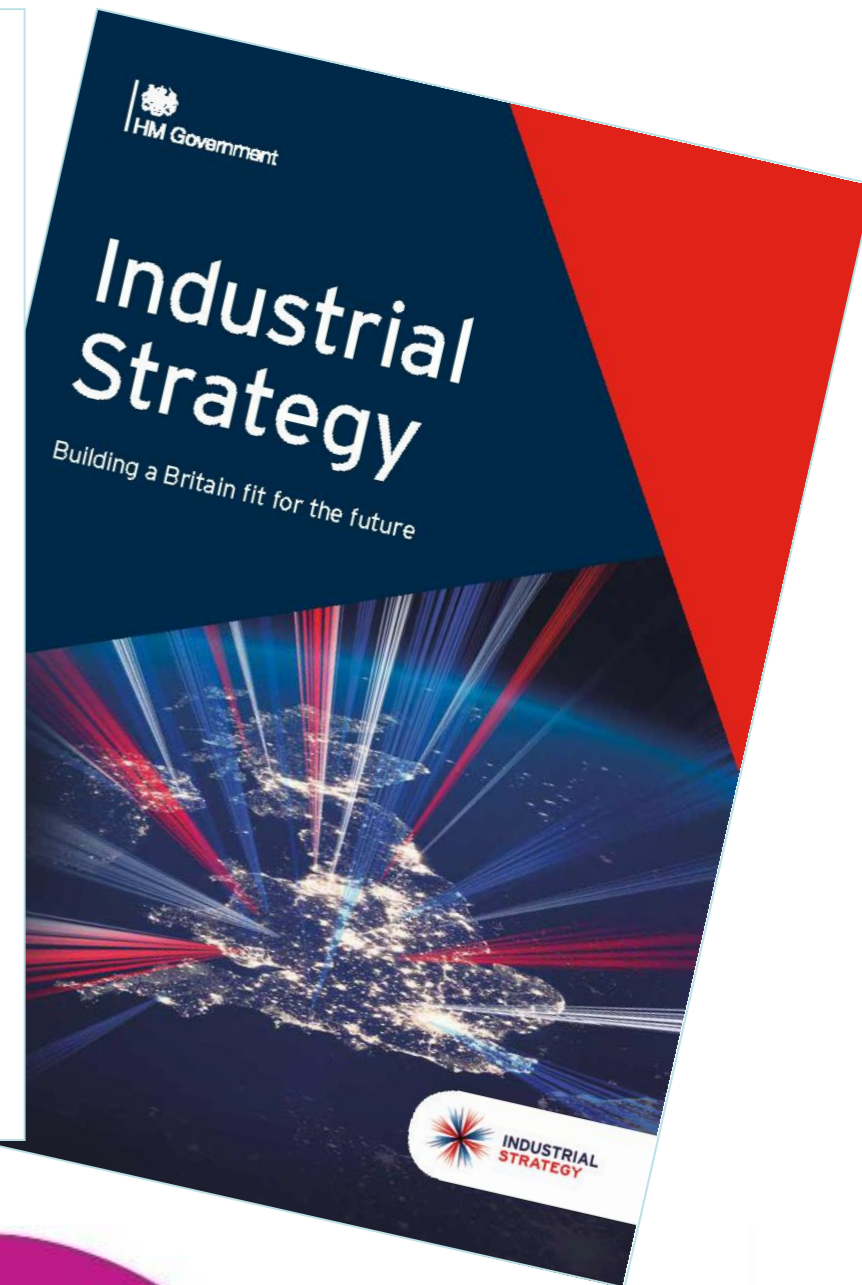
- The market is changing rapidly
- Fossil fuel decreases
- Investment is the key
- One goes down and the other up



The Position at National Level

- The Climate Change Act 2008 and carbon budgets
- 3 key policy documents:
 - The Industrial Strategy
 - The Clean Growth Strategy
 - The 25 Year Environment Plan

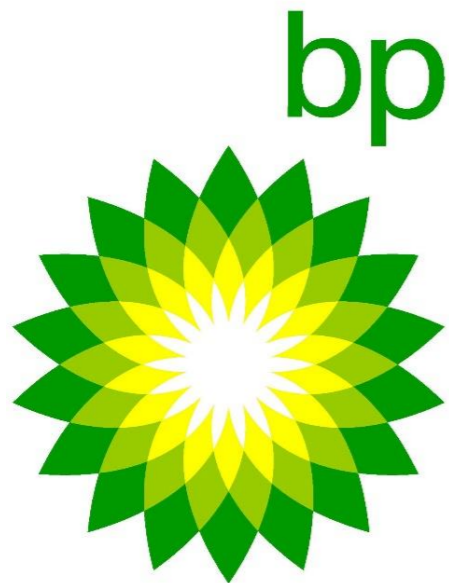




The Involvement of the Oil & Gas Majors

- An interesting development
- Lots of fossil fuel energy companies are vying for a place in this market
- And developing alternative energy, innovation or R&D hubs
- Why are they doing this?





centrica



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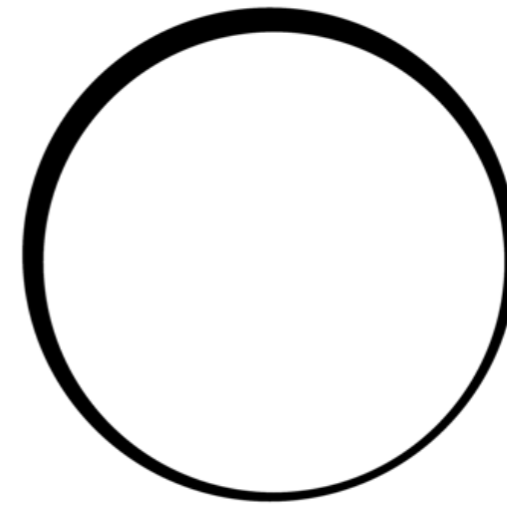


Shell As An Example

- Shell has been investing in clean energy for some time
- It has acquired three key companies:



Shell Alternative Energies



sonnen



But What About the Tech Companies?

- Another interesting development
- Tech companies are showing an interest in the energy market





amazon



Microsoft

Google



So What Does the Future Hold?

- Key areas are:
 - Renewable energy
 - Battery storage
 - EVs and charging
 - Heating
 - Buildings



The Bigger Picture

- Buildings
- Battery storage
- Aggregation
- More solar and wind farms
- Greater control systems
- PPAs



The Position For Local Authorities

- We need to be part of this revolution!
- What should we be doing?
- Action on our assets and more lobbying



Conclusions

- Are we doing enough?
- We need greater intervention at local level in the energy market
- Small steps count
- Or miss out on the opportunities arising



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