



The Association for
Decentralised Energy



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Decentralised Energy

Combined Heat & Power
Demand Side Services
Energy Efficiency
Heat Networks

Energising Procurement

National Energy Procurement Category Strategy

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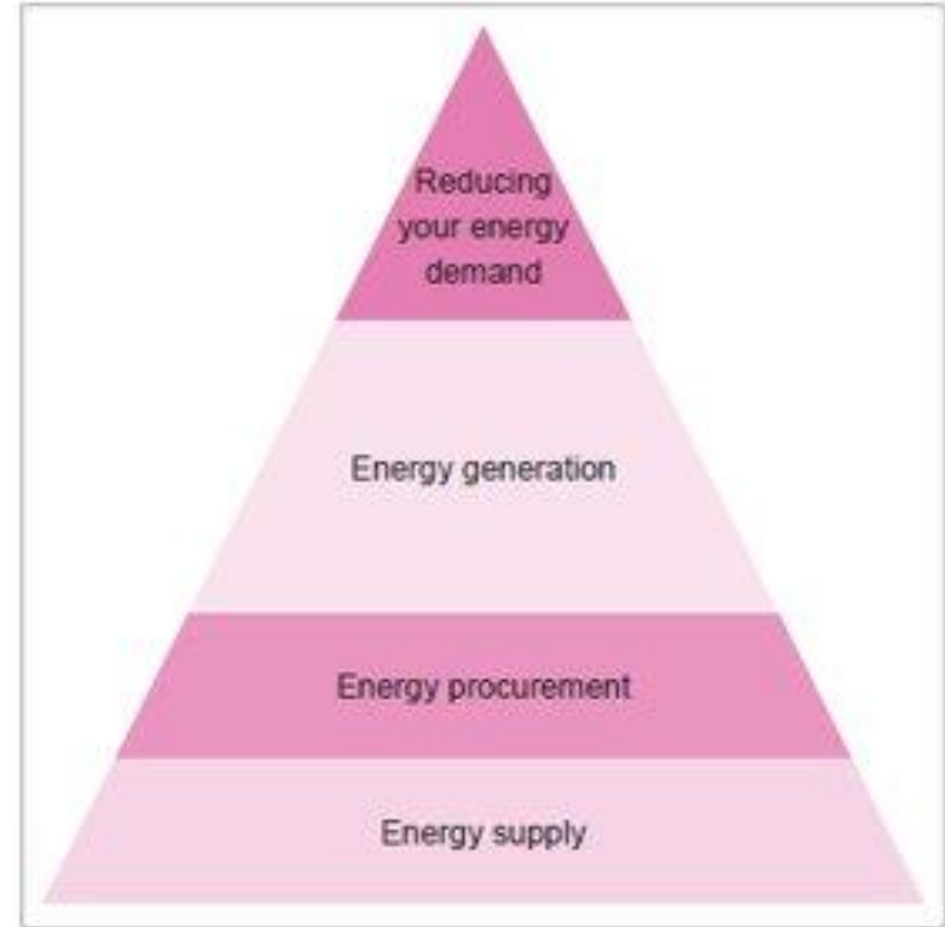
Themes

- ⊙ New themes of the strategy
 - ⊙ Showing leadership
 - ⊙ Behaving commercially
 - ⊙ Achieving community benefits
- ⊙ Other category management strategies: ICT, Construction and Social Care
- ⊙ The strategy also sits within the context of the current energy crisis, supply chain and geopolitical issues
- ⊙ Market size and future trajectories



Hierarchy of energy

- ⊙ We used the hierarchy of energy to frame the actions taken by local authorities
- ⊙ These actions were framed in the current economic and political context and realistic recommendations were given
- ⊙ Each section gives key actions in addition to case studies



Reducing energy demand

Demand Logic

- ⊙ Successfully deployed a Data Acquisition Device (DAD)
- ⊙ a compact smart data collection device, it can collect and treat data coming from sensors, tools, devices with output signal
- ⊙ Annual energy savings completed: £55,000

Stroud District Council

- ⊙ Replacing gas boilers with heat pumps in buildings, including the council's HQ
- ⊙ Estimated annual saving of up to 156 tonnes of carbon dioxide.



Energy Generation

Cambridgeshire County Council

- ⊙ Construction of a 45,000 panel, 70-acre solar farm
- ⊙ Currently raises a net £350,000 revenue each year
- ⊙ Once the original loan used to finance the farm is paid off, revenue will increase to £1 million per year

Warrington Borough Council

- ⊙ Used community municipal bonds to build a solar farm
- ⊙ Aim of the farm:
 - ⊙ Reduce fuel poverty
 - ⊙ Support a bid to the Department for Transport's Zero Emission Bus Regional Areas (ZEBRA) scheme to introduce zero-emission buses



Energy storage

- ⦿ The report highlights some of the ways in which energy can be stored:
 - ⦿ Electricity storage
 - ⦿ Thermal storage
 - ⦿ Storage market development

South Somerset District Council

- ⦿ One of the largest council-owned battery storage installations, totalling 40MW.
- ⦿ Second phase now announced to increase the capacity to 60MW when completed.
- ⦿ The aim is to support the council in part of its own economic and environmental recovery plan



Energy procurement

The London Energy Project

- ⊙ London authorities working together effectively to combine their £0.5 billion annual spending power, so authorities get more for less from the supplier dominated utilities market
- ⊙ Has enabled its 36 members to deliver significant financial benefits of around £60 million

The London Borough of Islington

- ⊙ The council offers a range of services
- ⊙ One of which is an energy service offering- an independent purchasing service using buying techniques to deliver value for money



Energy supply

East Cambridgeshire Council

- ⦿ Swaffham Prior - a village of 300 homes in East Cambridgeshire - inaugurated one of the first heat networks in an off-gas village
- ⦿ This heat network has been a cost effective, low carbon heating alternative which is expected to save around 47,000 tonnes of CO₂ per year

Gateshead Energy Company

- ⦿ Uses Flexitricity's demand response network
- ⦿ The project receives in excess of £60,000 per year over the next 15 years
- ⦿ It does this by using its flexibility to smooth out peaks and troughs in national electricity demand



Collaboration

- ① The importance of collaboration across public sector bodies
- ① Sharing the workload of developing a new initiative
- ① Understanding legislative drivers
- ① Benchmarking pricing information between councils



Thank you

- ⦿ Thank you to those who fed into the strategy and provided us with updated case studies and content
- ⦿ If you have any queries or would like any further information please contact us:
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