

# APSE Energy

Big Energy Summit 2017

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Leamington Spa



# Investing in Electricity: reducing costs and increasing income

Stephen Cirell





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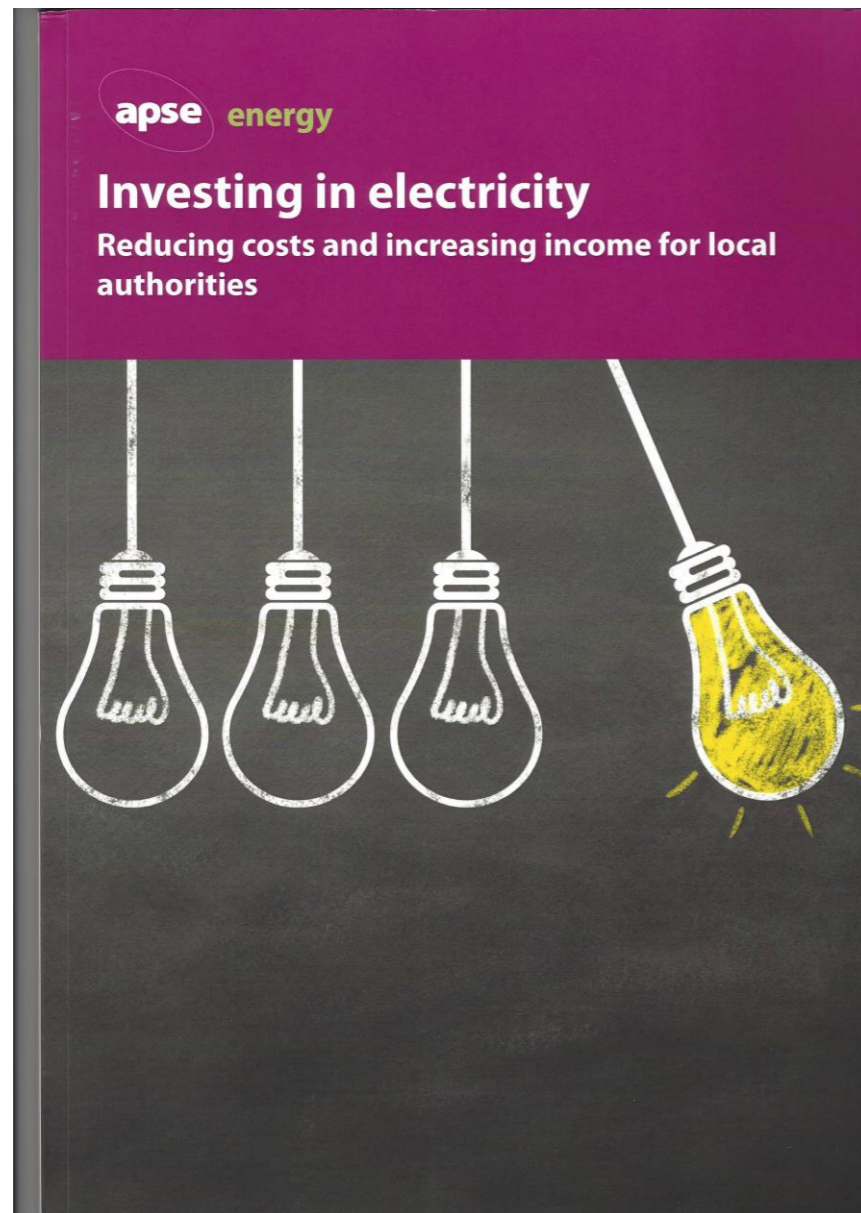
Stephen Cirell Consultancy Ltd

# Introduction

- Background
- The APSE Energy publication
- A focus on electricity



# The APSE Energy Report



# The Hierarchy of Electricity

- Use less electricity
- Improve energy efficiency
- Create Renewable Energy



# Renewable Energy Projects

- Solar PV as an example
- The Business Case has changed
- Two options now are:
  - Medium Term Strategy
  - Accelerated options



# The Medium Term Strategy

- Solar prices will fall, energy prices will rise
- Five steps:
  - Sites
  - Planning & grid
  - Procurement & Business case





# Accelerated Options

- Use power on site
- Private wire to a nearby user
- Sleeving
- ESCO
- Battery storage



# Energy Services Companies

- A new lease of life
- Robin Hood Energy and Bristol Energy
- Advantages of an ESCO
- Options for an ESCO



# Electricity Charges

- The system is complex!
- Its important to understand it
- Prices will go up over time



# Local Government Strategies

- Reduce electricity costs
- Target electricity generation
- Intervene in the electricity market



# Battery Storage

- Battery storage is on the up
- Costs of batteries are falling
- Battery storage opens new doors



# Sales of Electricity at Premium Rates

- How can premium rates be achieved?
- The Capacity Market
- National Grid contracts



# Conclusions

- The electricity market is changing
- Local authorities need to play their part
- There is much more to play for than renewable energy projects
- Do something



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