Data Centres: Solutions

1: Driving a market for renewables

2: Funding additional utility scale renewable generation
Data Centres: Solutions

3: Enabling distributed grid and intermittent generation

4: Becoming an energy prosumer

5: and of course....consolidating IT functions
Data centres: Commitments for action

Sector energy routemap

• Explains how data centres will address their three challenges of security of supply, cost and sustainability

• Sets out what is needed for the sector to contribute to zero carbon

• Identifies ten areas for action and assesses progress against them

• Repositions sector from consumer to dynamic player in energy market
Data centres: Commitments for action

1. **Strategies, policies and targets:** Set out clear energy strategies and climate change commitments.
2. **Security of supply:** Be prepared for a range of temporary supply issues.
3. **Energy stewardship:** Demonstrate best practice, comply with standards, use robust metrics.
4. **Renewables adoption:** Commit to renewable power. Implement strategies to reach 100% by 2030.
5. **Energy prosumer:** Reduce reliance on grid. Become a dynamic player in the energy market.
6. **Disclosure and reporting:** Measure and report energy consumption robustly and consistently.
7. **Transparency:** Help customers understand the energy impacts of their digital activities.
8. **Heat reuse:** Make better use of waste heat.
9. **Air quality:** Adopt practices that minimise air quality impacts from standby generators.
10. **Regulation:** Work with regulators to help make policy fit for purpose.