Good “Distributed” Energy

Chris Welby

Commercial Director

www.good-energy.co.uk

Good Energy

Good Energy

- Low Carbon life-style provider
- Supplies 100% renewable electricity to end customers
- Purchases from small- medium sized renewable generators, typically embedded with the distribution network
- Ambition to save 1M tonnes of CO2/year

Good Energy

Why Distributed Energy?

- Empowerment to communities to provide the solution
- Reduce energy lost in transportation
- Zero/Low carbon solutions possible at a local level
- Meet 2020 & 2050 targets on carbon reduction

Good Energy

Role of Good Energy

- Supporting local renewable generation
- Facilitating top up & spill
- A licensed supplier “beyond the gate”
- Provider of “support” services for ESCOs (e.g. Billing & Customer Care)

Good Energy

Supporting Micro-Generation

- Good Energy's award winning HomeGen scheme
- Need to encourage micro-generation
- Low carbon homes will see big increase

Good Energy

Role of DNOs

- Currently move energy from national grid to end users
- Future role more moving energy within the network
- Need to recognise “short-hop” suppliers
- Prices to encourage local generation
- Carbon benefit factored into price control?

Good Energy

Connection costs

- Connection charges same whether import and/or export.
- DUoS based on connection, not generation capacity
- Existing network use should be preferable to private wires

Good Energy

Physical Balancing

- DNOs need to physically balance their network
- Currently one way flow. Constraints considered in that light
- Future potential for two way flow. Constraints balancing the network
- Low demand from dist energy schemes, except when plant is off for maintenance.

Good Energy

Conclusion

- Network operators need to prepare for new world of embedded generation
- Encourage network use rather than private wire
- Need price controls that facilitate this development.
- Networks for low carbon future, not the status quo.

Good Energy