



**Electricity Storage - are we there yet?!**

**Jill Cainey, Director**

**Electricity Storage Network - UK**

# The Electricity Storage Network

UK's industry body for the promotion of electrical energy storage.

Current members include

- Electricity storage manufacturers
- Suppliers
- Developers
- Users
- Electricity network operators
- Consultants
- Academic institutions
- Research organisations

Formed in 2008

# Electricity Storage in the UK



# The long and winding road

Lots of reports, many of the authors here...

## DECC and Ofgem Smart Grid Forum

Ofgem Workstream 6: Mar 2012 to Oct 2015

ESN Paper (Mar 2014)

WS6 Interim report (Aug 2014)

Ofgem Flexibility Project (Sep 2015)

WS6 Final Report (Oct 2015)

## Other drivers

UK Power Networks (October 2014)

UK Power Networks (September 2015)

National Grid Enhanced Frequency Response (Sep 2015)

# The Summer and Autumn of Content

21 Jul: Amber Rudd, DECC

...represents a fantastic opportunity...

...British business can lead internationally...

...storage vital to support wider deployment of renewables...

9 Sep: Energy policy unit at No. 10

23 Sep: National Grid Expressions of Interest

8 Oct: National Infrastructure Commission

2 Nov: Roundtable with Amber Rudd, Lord Adonis & No. 10

3 Nov: DECC Storage Stakeholder Steering Group

# Dash for Gas II



18 Nov: Energy Policy Reset

# Regulations and Commercial

Very active, but long way from resolution

ESN position:           Asset class and licence

Interim arrangements?

Reality of delivering a service:

DN connected: sharing, priorities, power quality

Connections: Are there any?!

Connecting as generation/demand

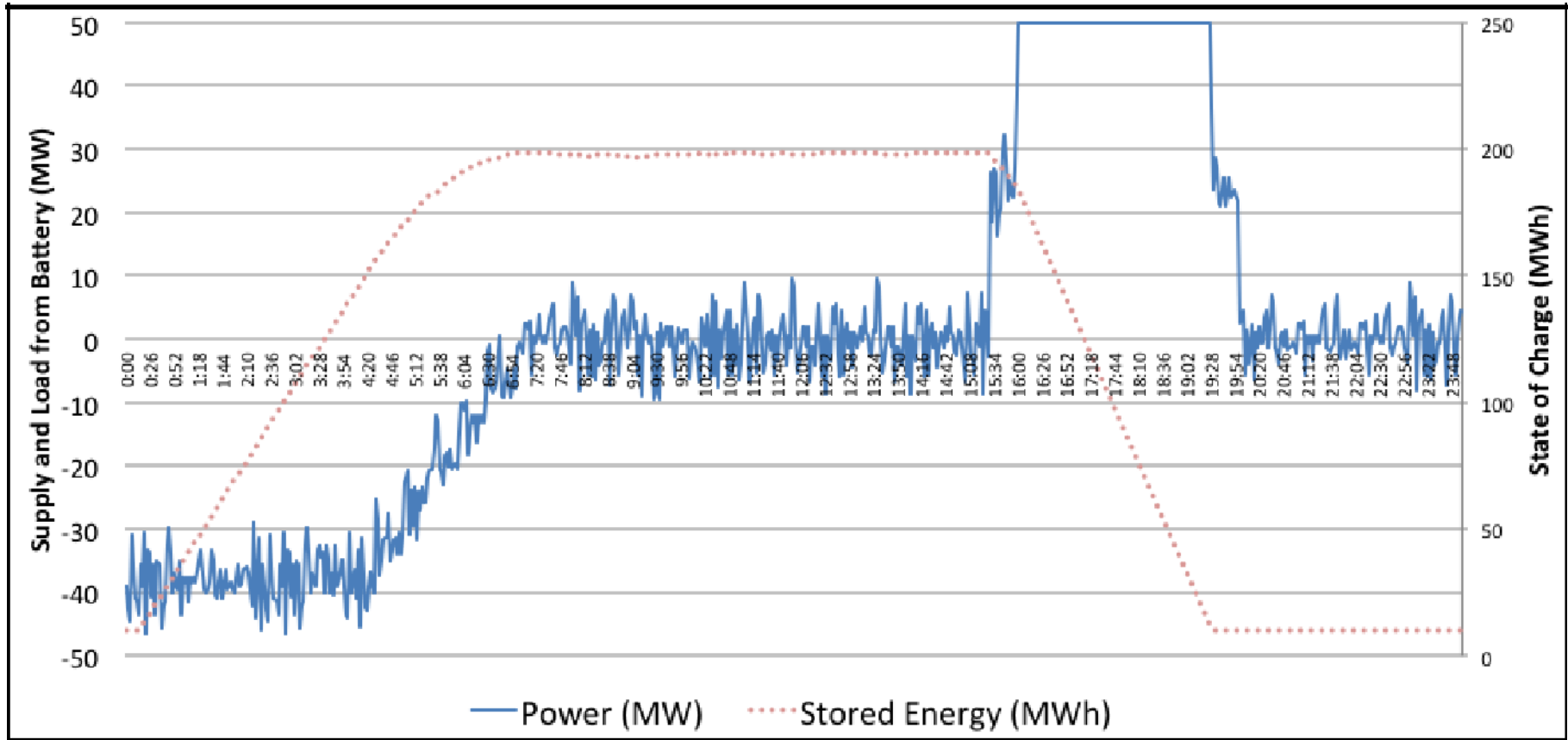
Value of service

Competing with incumbents and diesels

EU Third Package

Renewables with storage

# Mode of Operation



As required or always on?



## Summary – not quite...

- Government recognition, some action
- Electricity storage operational
- Electricity storage needed now
- Regulations need to catch up
- Markets need to catch up
- System and network operations need to catch up

# STORAGE – DOES LOCATION MATTER?

---

Symposium on maximising the system benefits of storage

Wednesday 27 January 2016

One Great George Street, Westminster, London, SW1P 3AA

- Role for storage on the GB system
- Partnerships with renewable generation – flexible connections
- The role of domestic storage in meeting system needs
- Assessment of regulatory issues



HIGHVIEW  
POWER STORAGE



The Electricity Storage Network is supported by our sponsor members

**REGISTRATIONS OPEN**

THE ELECTRICITY STORAGE  
**NETWORK**