



Storage

A DNO perspective

Adriana Laguna, Low Carbon Technologies
Manager



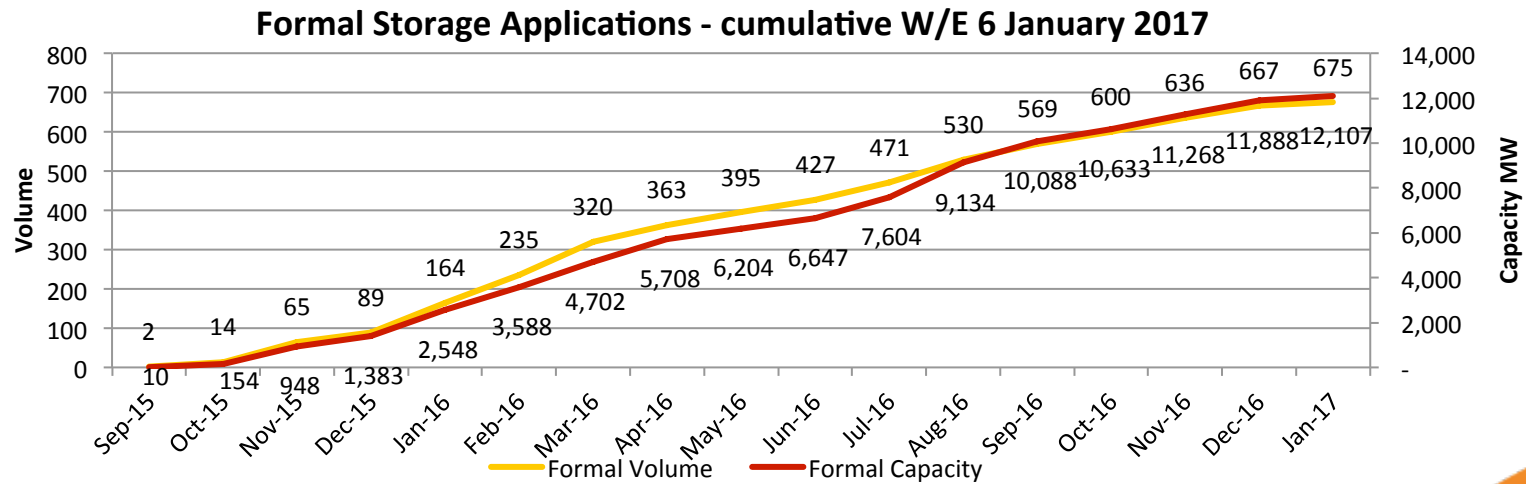
SNS: The value of storage

Ensuring security of supply at an efficient cost:

- Relieve export constraints
- Balance supply and demand locally
- Alternative to network reinforcement, providing option value
- Fast response for frequency control for the whole system
- Address power quality issues
- Manage voltage

Challenge for the DNO

- Complex and specific technical requirements
- Lack of capacity to accommodate such large demands can lead to reinforcement



UK Power Networks has responded

Making transition to BAU simpler

Developed the ENA storage application form

Common application template

Conducting storage surgeries for customer

Making storage information accessible and providing options

Published storage guidance

Demand heat maps

Flexible connections

Starting trials for further DSO capabilities

Domestic Energy Storage and Control project

Transmission & Distribution Interface 2.0

Delivering your electricity

Regulatory barriers

Defining storage will provide certainty to the industry

- ✓ We support the definition of storage
- ✓ Codify the distinct needs of storage in industry codes
- ✓ Separate licence when opportunity arises

Competitive market should drive the uptake

- Develop a competitive market to provide whole system benefits
- Enable stacking the value of services
- Promote clarity on the regulatory treatment of storage to allow ownership by DNOs where market doesn't deliver
- Progress the introduction of assessment and design fees, providing better service and address speculative applications;
- Address levies double counting

Going forward

- ✓ We will seek flexibility services this year
- ✓ We must continue to collaborate with government and regulator on addressing the regulatory challenges
- ✓ We will work with the System Operator to improve our interface
- ✓ We will always seek the lowest cost solution for our customers using market solutions wherever feasible

