

### Low Voltage Network Connected Energy Storage

Dedicated website – No

Organisation webpage – No

Centralised portal – ENA Smarter Networks

Objectives/Success Criteria – Yes

Closedown/final report – Yes

Open-source data – No

Peer-reviewed academic output (Primary Subject / Referenced) - 0 / 1

Brochures/Case Studies/Videos – No

On-line major conference/event presentations - 0

Dissemination Event / Output available – 0 / 0

Follow-on project – Yes (Thames Valley Vision / Greenwatt Way)

### Consumer Engagement

Consumer Participation – No

Consumer Feedback – No

### Output Summary

Progress reports – No

Detailed and objective final report – Yes

Project method detailed – Yes

Performance to objectives detailed – Yes

Lessons learned identified – Yes

Policy/Regulation implications reviewed – Yes

### Outcomes vs. Objectives/Targets

Performance to objectives – All achieved

### Key Findings

- A technically credible storage solution was developed that conforms to existing codes and standards.
- The project identified a lack of standards for utility scale storage systems.
- The system was successfully connected to the distribution network, complying with all technical requirements.
- Efficiency levels of 80-85% were achieved.
- Peak shaving reduced current by up to 100A and voltage manipulations of +/- 7V were achieved.