

Demonstrating the Functionality of Automated Demand Response (ADR)

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 / 0

Brochures/Case Studies - No

On-line major conference/event presentations - 0

Dissemination Event(s) / Output available – 0 / 0

Follow-on project – Yes (New Thames Valley Vision)

Consumer Engagement

Consumer Participation – Yes

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 – No

Detailed closedown report available, with objectives, performance to objectives and lessons learned for future projects clearly defined.

Outcomes vs. Objectives/Targets

Performance to objectives – mostly achieved

Three key objectives identified: demonstrate ADR capability over multiple businesses, developed a framework for customer engagement and ensure the HV/LV network impact is observable. First two objectives were met, with the third somewhat met by providing localised observability but could be expanded with greater ADR integration.

Key Findings

More detailed list of lessons learned available in the closedown report. Key findings were:

- Council engagement was beneficial.
- Large scale ADR deployment likely to require incentives for participation if no direct financial benefit for consumer.

- ADR agreements take time to be finalised. Part of delay from consumer side may be related to lack of direct financial benefits.
- Support from senior management in trials generates more aggressive kW reduction targets.
- Customers were interested in what other participants were achieving that suggests that this may be a source of future incentivisation strategies.
- Potential load shedding is highly customer dependent and would need to be key criteria for participation in larger future trials.