

### Accelerating Renewable Connections (ARC)

Dedicated website – No

Organisation webpage – Yes

Centralised portal - ENA Smarter Networks

Objectives/Success Criteria - Yes

Closedown/final report – Yes (multiple)

Open-source data – No

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

Brochures/Case Studies - No

On-line major conference/event presentations – 1 (All-Energy 2014)

Dissemination Event(s) / Output available – 3 / 4 project videos at webpage

Follow-on project – No

### Consumer Engagement

Consumer Participation – Yes

Consumer Feedback – Yes, stakeholder workshops

### 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, commercial agreements for connections explored

Main closedown report plus three final learning reports for different project elements and other reports related to specific case studies available at project webpage. The three specific elements are: (1) Designing and Operating New Alternative Connection Solutions Across Voltage Levels, (2) The Changing Nature of the Transmission-Distribution Boundary, and (3) The Business Case for Top Down Investment in Smart Solutions.

### Outcomes vs. Objectives/Targets

Performance to objectives – mostly achieved

The main closedown report restates the objectives and project success criteria from the initial project registration document and provides a detail review of each success criteria, with the main aim of the project being broadly met.

### Key Findings

- “The importance of transparency and open engagement with customers from the beginning to the end of the connection application process is paramount when developing a flexible connection solution.”

- Developing appropriate commercial mechanisms for flexible generation connections is critical.
- “Availability of improved and more granular network data is a fundamental requirement to enable implementation of a number of flexible connection solutions and will become a core element of the infrastructure of a modern network to complement conventional assets.”
- “The choice of a centralised or decentralised ANM solution requires consideration of the whole life cost that includes not only initial capital outlay but the ongoing support and maintenance of those systems.”
- Greater visibility and understanding of the implications of distribution-connected generation on the transmission system is required.