Network Management on the Isles of Scilly

Dedicated website – No

Organisation webpage – Yes

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/Videos – No

On-line major conference/event presentations - 1

Dissemination Event / Output available – 0 / 0

Follow-on project – Yes (Smart Isles)

*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 – No

*Outcomes vs. Objectives/Targets*

Performance to objectives – All achieved

*Key Findings*

- High Voltage automation on the off-island generation allowed flexibility when the generation and load balance changed.
- Developed synchro phasor generator control algorithms allow generations set to be aligned without a direct electrical connection allowing the same control signal to be applied to multiple generation sets and potentially increasing network capacity for renewables.
- Broadband over Power line (BPL) was trialled on the 11kV network to allow communication over existing assets and was partially successful with some instability observed.