Solar Yield Network Constraints

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 – Yes

On-line major conference/event presentations - 0

Dissemination Event / Output available – 0 / 0

Follow-on project – No

Consumer Engagement

Consumer Participation – Yes

Consumer Feedback – No

Output Summary

Progress reports – Yes

Detailed and objective final report – Yes

Project method detailed – Yes

Performance to objectives detailed – Yes

Lessons learned identified – Yes

Policy/Regulation implications reviewed – Yes (network charging basis)

Outcomes vs. Objectives/Targets

Performance to objectives – mostly achieved

Key Findings

- Literature and data investigations highlighted the limited impact of cloud cover on voltage profiles in dense PV networks.
- Creation of a load matching scheme would be possible however there commercial requirements are highly complex. With the potential to cause detriment to existing customers and changes required in the principles of access, future feasibility is limited.
- Coordination of Services with the System Operator (SO) is possible and can be beneficial to the SO, the DNO and the participants.
- Simple offerings with lengthy timescales are required to encourage participation.
- The potential impact of charging on DSR is high. This has now been picked up by the wider industry through the ENA's TSO-DSO project and Ofgem's TCR.