

Project ID	DIP068		
Long Title	Northern Isles New Energy Systems		
Short Title	NINES		
Keywords	Community; Domestic; Electricity; Heat; Wind; Hybrid RE Systems; Direct Electric Storage; Power Quality & Grid Integration; Demand Response; Active Network Management; Social Impacts; Stakeholder Engagement & Behaviour Change;		
Location (Town, Region, Country)	Lerwick	Shetland	Scotland
Latitude and Longitude	60.15N	1.14W	
OSGB code	HU 4746 4143		
Status	e.g. active/completed		
Start Date	2011		
End Date	2017		
Description	Northern Isles New Energy Solutions (NINES) - an innovative trial project developed by SHEPD in partnership with third parties and approved by Ofgem in 2011. It aimed to increase renewable generation output, reduce reliance on fossil fuels and cut the cost of electricity by lowering the maximum demand on the island network. The project comprised several generation, storage and demand side managed assets including a number of small-scale, community-based wind generators taking advantage of Shetland's above average wind conditions.		
Sectors	Domestic		
Funding Sources	OFGEM LCNF		
Budget £	£15,254,000		
Partners	Smarter Grid Solutions, University of Strathclyde, Glen Dimplex, Hjaltland Housing Association, Airwave Solutions Ltd, S&C Electric Co.		
Energy vectors	Electricity Heat		
Scale (lab/small/community/region/national)	Community		
Technologies demonstrated	Battery storage, active network management, efficient storage heating		
Economic models demonstrated			
Other concepts demonstrated	Grid constraint mitigation, demand response, energy efficiency retrofits		
Industry engagement			
Consumer engagement	234 homes involved		
Project Reports (incl. links)	http://www.ninessmartgrid.co.uk/library/nines-closedown-report/ Extensive library, including academic papers, at:		

	http://www.ninessmartgrid.co.uk/learningandpublications/
Datasets (incl. links)	
Website/social media	http://www.ninessmartgrid.co.uk/our-project/
Information sources	http://www.smarternetworks.org/project/prj_403