

Project ID	DIP036		
Long Title	Fair Isle Unified Low Carbon Electricity Storage and Generation Project		
Short Title	Fair Isle Energy Project		
Keywords	Community; Rural; Domestic; Electricity; Heat; Solar PV; Wind; Thermal Storage; Direct Electric Storage; Smart Grids; Microgrid; Active Network Management; Social Impacts;		
Location (Town, Region, Country)	Fair Isle		Scotland
Latitude and Longitude	59.53N		1.63W
OSGB code	HZ 210 718		
Status	Ongoing		
Start Date	2017		
End Date	2018		
Description	Fair Isle is not connected to the national grid network. Developing the islands local energy system supply is one of the highest priorities identified in the recent community development plan and will transform life on the island. This project aims to develop an innovative and collaborative local energy model potentially replicable across other island communities, based on an innovative combination of technologies.		
Sectors	Domestic		
Funding Sources	Low Carbon Infrastructure Transition Programme		
Budget £	£3.5 million (£1.75m from LCITP)		
Partners	Fair Isle Electricity Company, Shetland Island Council, Highland and Island Enterprise		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Community		
Technologies demonstrated	Smart controls, solar PV, active network management, thermal storage, battery storage, wind		
Economic models demonstrated	Private wire microgrid, community-ownership		
Other concepts demonstrated	Island energy system		
Industry engagement			
Consumer engagement	c. 30 households		
Project Reports (incl. links)	<a href="http://www.fairisle.org.uk/uploads/2/2/6/9/2269756/fair_isle_energy_project_newsletter_5.docx">http://www.fairisle.org.uk/uploads/2/2/6/9/2269756/fair_isle_energy_project_newsletter_5.docx</a>		
Datasets (incl. links)			
Website/social media	<a href="http://www.fairisle.org.uk/news.html">http://www.fairisle.org.uk/news.html</a>		
Information sources	As above		