

Project ID	DIP090		
Long Title	Smart Fintry		
Short Title			
Keywords	Community; Rural; Domestic; Multi-sector/Grid; Electricity; Heat; Wind; Bioenergy; Power Quality & Grid Integration; Smart Grids; District Heating; Demand Response; Active Network Management; Alternative Suppliers & Tariffs;		
Location (Town, Region, Country)	Fintry	Stirling	Scotland
Latitude and Longitude	56.05N	4.22W	
OSGB code	NS 615 865		
Status	Completed		
Start Date	2016		
End Date	2017		
Description	<p>The SMART Fintry project aims to develop, and demonstrate, a replicable means of trading and charging for electricity that allows UK consumers to buy their power direct from nearby renewable energy generators – without the need to install duplicate grid infrastructure. This will drive down electricity costs and reduce carbon for consumers who are located near renewable electricity generators. Deliverables will include:</p> <ul style="list-style-type: none"> • a new tariff charging structure providing a virtual link between local energy production and consumption via a peer to peer trading platform, introducing flexibility in use of system charging • a real time measurement and control system which will provide load transparency at a distribution network level • improved forecasting methods to reduce pricing risk associated with variable generation • proposals for a Demand Side Management (DSM) focused policy framework <p>The overall objective of the SMART Fintry project is to pilot a replicable local energy economy that links local, sustainable generation with consumption and which can be beneficially adopted by other communities across the UK.</p>		
Sectors	Domestic		
Funding Sources	Scot Gov Local Energy Challenge Fund		
Budget £	£841,500		
Partners	Fintry Development Trust; Veitch Cooper; Good Energy; Energy Assets; Good Energy; Heriot Watt University; Open Utility.		
Energy vectors	Electricity, Heat		
Scale (lab/site/small)	Community		

/community/region/national)	
Technologies demonstrated	Smart grid, anaerobic digestion, active network management
Economic models demonstrated	Local renewable-linked tariff, community ownership
Other concepts demonstrated	DNO-consumer engagement, demand response, grid constraint mitigation
Industry engagement	
Consumer engagement	c.300 homes involved
Project Reports (incl. links)	http://smartfintry.org.uk/about-smart-fintry/resources/
Datasets (incl. links)	
Website/social media	http://smartfintry.org.uk/
Information sources	As above