

Project ID	DIP108		
Long Title	Sunshine Tariff		
Short Title			
Keywords	Community; Rural; Domestic; Electricity; Thermal Storage; Power Quality & Grid Integration; Smart Grids; Demand Response; Smart Devices; Social Impacts; Stakeholder Engagement & Behaviour Change; Alternative Suppliers & Tariffs;		
Location (Town, Region, Country)	Wadebridge	Cornwall	England
Latitude and Longitude	50.52N	4.84W	
OSGB code	SW 99 72		
Status	Complete		
Start Date	2015		
End Date	2017		
Description	<p>The project will have 2 phases; the first will investigate and report on the commercial viability of the tariff, exploring current and future value streams to fund it. Whilst there is clear value to the generator we also want to explore the value for both supplier and DNO. Phase 2 is the domestic demand side response trial. With a tariff subsidised by the supplier, we will investigate the effects of the tariff on demand, exploring the extent and reliability of any increase. Four levels of intervention will be trialled, tariff only, tariff & feed-back, basic automated water heating and fully automated flexible load switching. The tariff will be managed and administered by Tempus however the customer engagement will be conducted by the local energy cooperative WREN.</p> <p>We envisage that this type of connection could be of particular interest to community energy groups such as WREN who do not have the movability of commercial developers but would have the links to change customer behaviour.</p> <p>No generator will be connected as part of the trial due to the inherent financial risk.</p>		
Sectors	Domestic		
Funding Sources	Network Innovation Allowance		
Budget £	£305,000		
Partners	Western Power Distribution, Regen SW, Wadebridge Renewable Energy Network, Tempus Energy		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Community		
Technologies demonstrated	Smart controls, demand response devices, thermal storage		
Economic models demonstrated	Consumer behaviour change incentives, time-of-use tariffs, grid services, new commercial models		

Other concepts demonstrated	Demand response, grid constraint mitigation, generation-demand matching
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	Library at project website. Library: http://www.smarternetworks.org/project/nia_wpd_006/documents
Datasets (incl. links)	
Website/social media	https://www.westernpower.co.uk/Innovation/Projects/Closed-Projects/Sunshine-Tariff.aspx
Information sources	http://www.smarternetworks.org/project/nia_wpd_006