

Project ID	DIP076		
Long Title	Power Saver Challenge		
Short Title			
Keywords	Community; Domestic; Electricity; Power Quality & Grid Integration; Demand Response; Stakeholder Engagement & Behaviour Change;		
Location (Town, Region, Country)	Stockport	Greater Manchester	England
Latitude and Longitude	53.42N	2.18W	
OSGB code	SJ 88 91		
Status	Complete		
Start Date	2014		
End Date	2017		
Description	<p>Our Power Saver Challenge project tested ways of encouraging customers to reduce their electricity usage to alleviate pressure on the network at times of peak demand.</p> <p>The method was trialled in the Heaton Moor and Heaton Norris areas of Stockport over a three-year period and provided technological and educational support to a representative sample of participants living in the trial area.</p> <p>The project confirmed the hypothesis that:</p> <p><i>Deploying proactive demand reduction measures can alleviate network capacity restrictions by achieving both significant and sustained changes in energy usage.</i></p> <p>Customer surveys showed that participating households changed their energy usage behaviour and their attitude towards energy consumption, during the trial and after it had ended.</p> <p>Our technical data also supported this conclusion through a 5.8% reduction in peak energy consumption across the lifespan of the project.</p>		
Sectors	Domestic		
Funding Sources	Internal		
Budget £	Undefined		
Partners	Electricity North West, Impact Research		
Energy vectors	Electricity		
Scale (lab/single/small /community/region/national)	Community		
Technologies demonstrated	Smart meters, demand response devices		
Economic models demonstrated			
Other concepts demonstrated	DNO-consumer engagement, demand response, grid constraint mitigation		

Industry engagement	
Consumer engagement	1000 households
Project Reports (incl. links)	Closeout report: https://www.enwl.co.uk/innovation/smaller-projects/other-projects/power-saver-challenge/
Datasets (incl. links)	
Website/social media	https://www.enwl.co.uk/innovation/smaller-projects/other-projects/power-saver-challenge/
Information sources	