

Project ID	DIP032		
Long Title	Energy Resources for Integrated Communities		
Short Title	ERIC		
Keywords	Community; Domestic; Electricity; Solar PV; Direct Electric Storage; Social Impacts; Stakeholder Engagement & Behaviour Change;		
Location (Town, Region, Country)	Oxford	Oxfordshire	England
Latitude and Longitude	51.73N	1.23W	
OSGB code	SP 53 04		
Status	Complete		
Start Date	2015		
End Date	2017		
Description	<p>It is a research project part funded by the UK government (Innovate UK) to look at how using innovative energy storage technology could help a group of homes in a community to save energy. We have chosen Rose Hill in east Oxford as the site.</p> <p>The project involves Oxford City Council, GreenSquare and private homeowners installing solar PV panels on roofs, and at the same time project lead, Moixa Technology, installing a smart battery unit.</p> <p>We are working with 82 households, 74 of which are social housing. Every house has at least eight solar PV panels and a 2kWh Moixa smart battery storage unit.</p> <p>Now installed, Oxford Brookes University are monitoring the energy generation from solar PV, energy demand from the household and the storage of energy within the Moixa smart battery. The project began in January 2015 and wraps up in September 2017.</p> <p>Environmental sustainability charity, Bioregional is overseeing the community engagement, coordination between partners, liaison with residents and external communications.</p> <p>Project ERIC represents a £1.2m investment in Rose Hill over the life of the project. It is having a significant impact for local residents; bringing down energy bills and giving the local community greater control and power over the energy they use.</p>		
Sectors	Domestic		
Funding Sources	InnovateUK		
Budget £	£1.2million		
Partners	Moixa, Oxford City Council, Greensquare, Bioregional, Oxford Brookes University, Re-energise		
Energy vectors	Electricity		

Scale (lab/site/ small/community/region/national)	Community
Technologies demonstrated	Smart controls, solar PV, battery storage
Economic models demonstrated	Community engagement, fuel poverty alleviation
Other concepts demonstrated	Low carbon retrofit, customer impact analysis
Industry engagement	
Consumer engagement	82 households
Project Reports (incl. links)	Closedown report: https://www.bioregional.com/wp-content/uploads/2014/10/Project-ERIC-%E2%80%93-learnings-summary-document.pdf
Datasets (incl. links)	
Website/social media	http://www.localisedenergyeric.org.uk/ http://www.moixa.com/case-study/project-eric-energy-resources-integrated-communities/
Information sources	As above