

Project ID	DIP025		
Long Title	Edinburgh and Surrounding Towns Heat Energy Action through Thermal Storage		
Short Title	EASTHEAT		
Keywords	Region; Domestic; Electricity; Heat; Solar PV; Thermal Storage; Demand Response; Social Impacts;		
Location (Town, Region, Country)		East Central	Scotland
Latitude and Longitude	55.90N	3.20W	
OSGB code	NT 24 67		
Status	Complete		
Start Date	2014		
End Date	2016		
Description	<p>The objective of this project is to develop and implement local solutions to addressing fuel poverty designed around the use of innovative heat batteries. This technology will enable more efficient utilisation of different renewable technologies, making a bigger impact for tenants as they seek to reduce energy costs.</p> <p>The project will work across a range of different property types, from sheltered housing for older people to individual households for social rent. In each property type a heat battery will be installed and paired with other local renewable energy production.</p> <p>The use of the heat battery will enable us to create a direct link between local energy demand and local renewable energy production. The project will demonstrate the benefit of local heat storage and the value of integrated renewable energy solutions.</p> <p>The beneficiaries of this project will be tenants, through access to lower cost heating and hot water. This will make a significant difference to their cost of living, particularly for those tenants on housing benefit.</p>		
Sectors	Domestic		
Funding Sources	Local Energy Challenge Fund		
Budget £	£3.19 million		
Partners	Sunamp, Castle Rock Edinvar Housing Assoc., East Lothian Housing Assoc.		
Energy vectors	Electricity, Heat		
Scale (lab/site/ small/community/region/national)	Region		
Technologies demonstrated	Thermal storage, solar PV		
Economic models demonstrated	Fuel poverty alleviation		

Other concepts demonstrated	Demand response, grid constraint mitigation, generation-demand matching
Industry engagement	
Consumer engagement	650 households
Project Reports (incl. links)	https://www.sunamp.com/wp-content/uploads/2016/05/All-Energy-Presentation-Sunamp-EastHeat-web.pdf
Datasets (incl. links)	
Website/social media	
Information sources	https://www.localenergy.scot/funding/local-energy-challenge-fund/capital-demonstration-projects/round-1-2015/eastheat/