Project ID	DIP089		
Long Title	Smart Building Potential Within Heavily Utilised Networks		
Short Title	Smart Building Potential		
Keywords	Small-scale; Urban; Multi-sector/Grid; Electricity; Power Quality & Grid Integration; Demand Response;		
Location (Town, Region, Country)	Glasgow		Scotland
Latitude and Longitude	55.52N	4.15W	
OSGB code	NS 59 66		
Status	Complete		
Start Date	2014		
End Date	2016		
Description	1a) Model the load on each secondary substation in postcode areas G1 and G2 and quantify the demand contribution made by each commercial building. (Commenced under LCNF Tier 1) 1b) Explore how the introduction of DSR in these buildings could potentially reduce loads during 'overload' periods. 2a) Survey candidate buildings for DSR trial suitability and install DSR equipment including communications in up to 10 buildings. (Complete under LCNF Tier 1) 2b) Carry out a number of trial DSR interventions at varying times of day over the course of a year and analyze results to evaluate capability of the buildings to provide DSR in real world conditions.		
Sectors	Non-domestic		
Funding Sources	Low Carbon Network Fund / Network Innovation Allowance		
Budget £	£621,000		
Partners	SP Energy Networks, Glasgow City Council, Siemens, University of Strathclyde		
Energy vectors	Electricity		
Scale (lab/site/small /community/region/national)	Small		
Technologies demonstrated	Network data acquisition		
Economic models demonstrated			
Other concepts demonstrated	Demand response		
Industry engagement			
Consumer engagement			
Project Reports (incl. links)	http://www.smarternetworks.org/project/nia_spen0001/documents Paper: http://cired.net/publications/cired2017/pdfs/CIRED2017_1192_final.pdf		

Datasets (incl. links)	
Website/social media	
Information sources	http://www.smarternetworks.org/project/nia_spen0001