

Friday, 22 May 2015

Dear Nisha,

I am writing in relation to UK Power Network's application for the Successful Delivery Reward for the Low Carbon London project.

The Low Carbon London project was an ambitious project which examined a range of Smart Distribution Network techniques and technologies in an integrated fashion. I believe this approach is essential to move forward at the pace required to deliver the UK low carbon transition. I have followed the progress of this project carefully and it is clear that the project was well run and delivered against its learning objectives. In my view the Low Carbon London project has made strong contributions to moving forward understanding and implementation in Industry and Academia in the following areas:

- Exploring and evaluating the use of dynamic Time of Use tariffs for the first time in the UK
- Providing analysis of the potential conflicts and synergies between domestic DSR being used to support balancing of demand and supply at the national levels and local network management objectives
- Taking a multi-disciplinary approach by involving both engineering and social science skills to understand and quantify demand flexibility
- The project has proposed changes to distribution network design standards such that they include flexible demand. This is informed by the I&C DSR trials carried out in the project
- Valuable insights were provided regarding active network management through using Hardware in loop techniques for the control of Distributed Generators
- The project also provided a valuable and comprehensive analysis of power quality issues arising from the connection of low carbon technologies such as PV, EV and HP.

It is my view that the Low Carbon London project made great strides in the area of de-carbonising electrical distribution networks due to its ambitious and integrated approach to network challenges. I do not feel that such progress can be made through single disciplinary projects with narrower scope. I would therefore urge Ofgem to ensure that they continue to support such integrated projects going forward as many multi and interdisciplinary challenges still need to be addressed in our pursuit of low carbon networks.

Yours Sincerely,



Phil Taylor