



Project Background

Narec is providing energy master planning to Newcastle City Council to help implement and agree a sustainable energy action plan and a citywide climate change strategy, to deliver regeneration and help drive forward the delivery of low carbon and affordable energy schemes in accordance with the climate change and political agenda across the city.

Energy master planning for the built environment will help the council to drive forward the delivery of low carbon energy schemes and coordinate activity across the council, stakeholders and city, helping them to achieve both the national and European carbon reduction targets which forms part of the 2010 EU Covenant of Mayors Agreement, generate additional revenue and increase energy produced from renewables.

Project Outline and Objectives

Narec was appointed by Newcastle City Council to assist them in a technical capacity to develop and deliver a sustainable energy action plan.

Narec is responsible for delivering the following:

- Developing an Energy Master Plan for the city to contribute to delivering the Council's aims, objectives and targets, assisting the city's ambitious drive towards sustainability and carbon neutrality.
- Overseeing and managing the transition of plans and strategy through to the delivery of sustainable affordable energy to local communities.
- Leading on the evaluation and implementation of sustainable community energy networks through the selection of Energy Service Companies (ESCOs) and other delivery vehicles.

- Supporting, advising and coordinating the design, procurement and implementation of sustainable energy systems in each of the regeneration programme areas within the Energy Master Plan.
- Developing appropriate policies and advice on sustainable energy for inclusion in the Local Development Framework.
- Attracting and developing appropriate relationships with external partners both in respect of energy and the associated link with regeneration

Expected Project Outcomes

Project completion date is December 2012. During this time the type of carbon reduction projects and renewable energy initiatives and technologies considered to drive forward the City's Low Carbon Energy Scheme will include:

- District/community heating schemes;
- Shared energy schemes;
- Installation of renewable energy generation (in particular photovoltaic panels (PV), solar thermal hot water systems and wind);
- Improved insulation and energy efficiency of all housing stock;
- Skills and training support

Project Summary

To date, the work already undertaken has helped towards the city being awarded the title of the UK's Most Sustainable City, 2009 and 2010.