



GreenPrint Case Study

Development

Sherford, South Hams, Devon

Client

Red Tree / Brooks Devlin



GreenPrint

BRE's GreenPrint methodology has been developed to assist design teams in delivering masterplans that maximise the potential for sustainable communities. It can be applied to a wide range of development types ranging from urban extensions to business parks, and provides an overall GreenPrint assessment score and rating of the proposed development.

Background to site

Sherford, on the edge of Plymouth, is designated as an urban extension on a green field site. However the developers intend that this 5,500 home development will not be featureless 'urban sprawl', but a sustainable, mixed use community in its own right with a high street and neighbourhoods where people can live and work.

Key elements of the masterplan

- Two wind turbines within the 200 ha Community Park contributing to the overall 50% renewable electricity requirement.
- 80% of the roof area of the whole development used for rainwater harvesting.
- 75% of buildings will be equipped with solar thermal systems and/or photovoltaic devices.
- All dwellings to be built to the EcoHomes Excellent standard (equivalent to CSH level 3/4).
- Transport and movement strategy places the pedestrian and cyclist at the heart of the development, minimising walking distances between home, workplace, schools and shops.
- Increase in jobs and local skills base, and training opportunities to help local workers up-skill.

GreenPrint Rating and Score

The proposed Sherford development achieved an overall GreenPrint Score of **85%**, and received an **Exemplar** GreenPrint Rating.

NB: All relevant issues in the Buildings category were incorporated within the Sustainable Construction category hence the zero value in Buildings.

