

www.re4d.org

- ⏻ reduce costs
- ⏻ reduce carbon
- ⏻ generate income

Free advice for your generation

RENEWABLE ENERGY 4
DEVON

Installing Renewable Energy in New Buildings

February 2008

Organised by:



Devon Sustainable
Building Initiative
www.sustainablebuild.org

envision

where environment means business



FUTURE FOUNDATIONS
Building a better South West



Opportunity Okehampton Why?



**West Devon
Borough
Council**

- A shortage of Business Units
- Joint ambition – Economic Development Agencies
- To build on previous experience- Pitts Cleave Tavistock
- WDBC's aspirations for Sustainable & Economic Development



The Design Brief Sustainable Development



**West Devon
Borough
Council**

- Assessment of the potential for Renewable Energy
- Optimise the use of natural light and ventilation
- Consider Rainwater Harvesting
- Sustainable Drainage design
- Dedicated waste containment/Re-cycling area
- Low maintenance landscape design promoting biodiversity & native species
- Achieve BREEAM & CEEQUAL Excellent

Other Features



**West Devon
Borough
Council**

- Cycling facilities & Green Travel plan
- Low environmental impact materials – Green Guide
- Structure and fabric – low environmental impact
- Energy efficient lighting with automatic dimming
- Renewable Energy Monitoring system



Cost and Funding

- Project cost - £5.74 Million
- Total Construction Cost - £5.1 Million
- Rural Business Centre – £2.4 Million
- WDBC 11.05%
- SWERDA 50.55%
- Objective 2 38.40%



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Low Carbon Buildings Programme Phase 2 Grants



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- Wood pellet boiler - £7,600 – 35%
- Photovoltaics - £24,500 – 50%
- Wind Turbine - £8,100 – 30%
- The process
- Our experience