



PROMOTING ENERGY CITIZENSHIP: Engaging Young People in Sustainable Energy

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RESEARCH

- City wide climate change strategies
 - Monitoring and evaluation
- Homes
 - New homes, decision analysis
 - Existing homes,
- Businesses
- Data analysis
 - Half hourly analysis
- Renewable energy
- Planning policy guidance



TRAINING AND SUPPORT

- Professional training
 - MSc Climate Change and Sustainable Development
 - MSc Energy and Sustainable Building Design
 - Short courses
 - Development a climate change strategies
 - Monitoring and target setting in buildings



ENERGY?

- Heat and power our homes
- Heat and power businesses
- Move us around
- Produce goods and services

- Linked to most things we do
- Not just technical problem



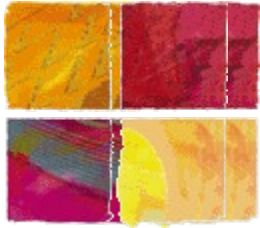
THE CHALLENGE

- Ambitious targets
 - 60% Royal Commission on Environmental Pollution
 - Energy White Paper
 - Local and Regional Targets
 - Leicester 50% reduction target set in 1990



ENERGY SERVICES

- We do not want gas or electricity – we want heat, light, power and mobility
- Low unit energy costs
- Affordable energy service



TECHNOLOGY EXISTS

- Energy Efficiency is “boring”
- Standards?
- Vested interests on the “supply side”
- Disparate voices on the “demand side”
- Voluntary – non statutory
- No shortage of information



PUBLIC ENGAGEMENT

- Young People and sustainable energy
 - Lifestyles and deep cuts
- Building schools for the future
 - Engaging school pupils in new school designs
- Youth Festivals
 - Energy efficiency and renewable energy are fun
 - something to aspire to



GLOBAL VILLAGE 2006



- International Falcon Movement
 - Woodcraft Folk in the UK
- Millennium Development Goals
- www.globalvillage2006.org/



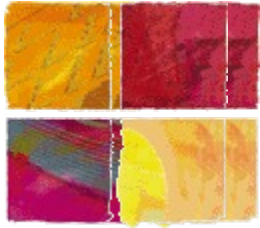
MDG 7 ENVIRONMENTAL SUSTAINABILITY

- Working with young people
- Engage in the science and engineering of environmental sustainability
 - Renewable energy supply
 - Low energy buildings
- Design, build and use – have fun!



THE CHALLENGE

- Deep cuts in greenhouse gases
- Deep cuts in carbon dioxide
- Deep cuts in energy use
 - Insulation
 - Heating system
 - Heating control
 - Travel
 - Waste
 - Purchasing
- Renewable energy



BENEFITS OF ENERGY EFFICIENCY

- **Multiple benefits**
 - energy
 - CO₂ emissions
 - comfort
 - businesses more competitive
 - quality of life



CONCEPTUAL SHIFT

- Not a single issue
- Multi disciplinary
- Multi organisational

- Wait for Government?
- Reallocate resources?



PARTNERSHIP

- **Can't do it alone**
 - Regional, national, European and international networks
 - Local Strategic Partnerships
 - Key local stakeholders
- **Training**
 - Data and models to evaluate success
 - Best practice guidance
 - Inter disciplinary