Eco-towns, Garden Cities & One Planet Communities - policy and practice, opportunities and challenges



Sue Riddlestone and Pooran Desai Co-founders, BioRegional





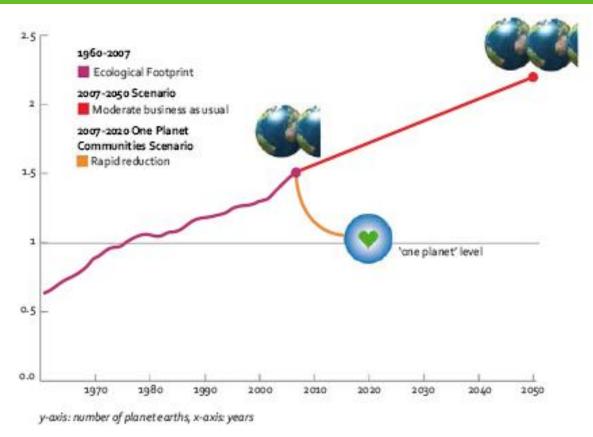
BioRegional is a social enterprise which invents & delivers more sustainable ways to live & work

London, Oxford, Brighton and sister organisations in China, South Africa, Mexico, Greece, Australia, North America BioRegional Solutions for Sustainability





one planet living



A world where we can live happy, healthy lives within our fair share of the worlds resources, leaving space for wildlife and wilderness.







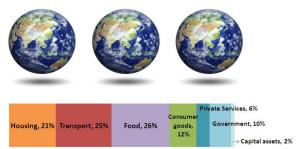
Ten principles of one planet living

1	Zero carbon
2	Zero waste
3	Sustainable transport
4	Sustainable materials
5	Local and sustainable food
6	Sustainable water
7	Land use and wildlife
8	Culture and community
9	Equity and local economy
10	Health and happiness



One Planet Living process

Gather information



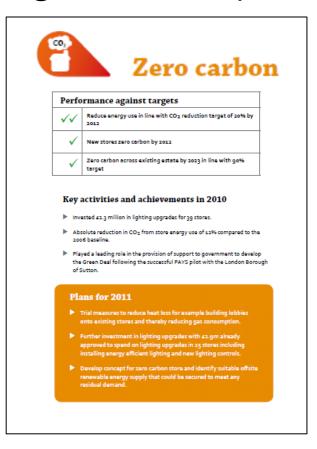
2. One Planet Action Plan





2 Zero varson
2 Zero waste
3 Sustainable transport
4 Sustainable materials
5 Local and sustainable food
6 Sustainable water
7 Land use and wildlife
8 Culture and community
9 Equity and local economy
10 Health and happiness

3. Implement and report progress annually



Policy - Zero carbon homes and eco-towns

"Within 10 years, every new home will be a zero-carbon home and we will be the first country ever to make this commitment" 6th December 2006

"New eco-towns could build low carbon design into the fabric of the community, not just into individual houses"

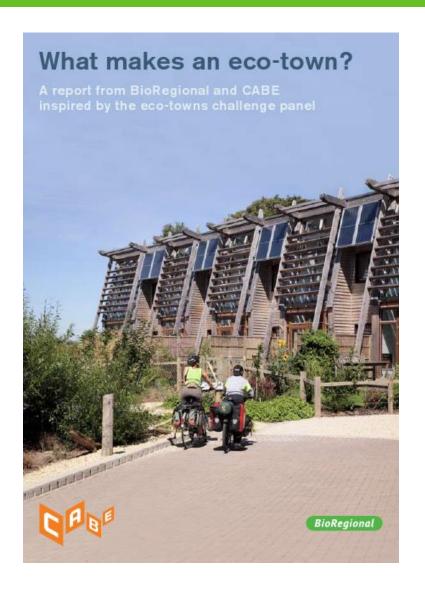
7th March 2007







Eco-towns challenge panel





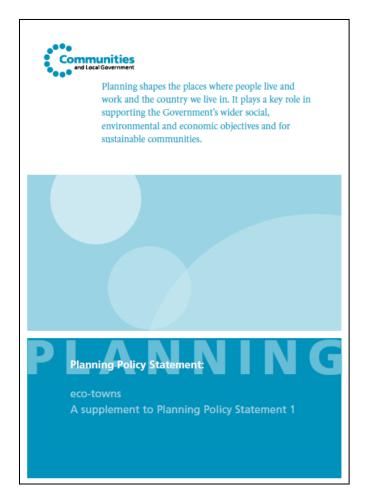


Eco-towns planning policy statement

Eco-towns should

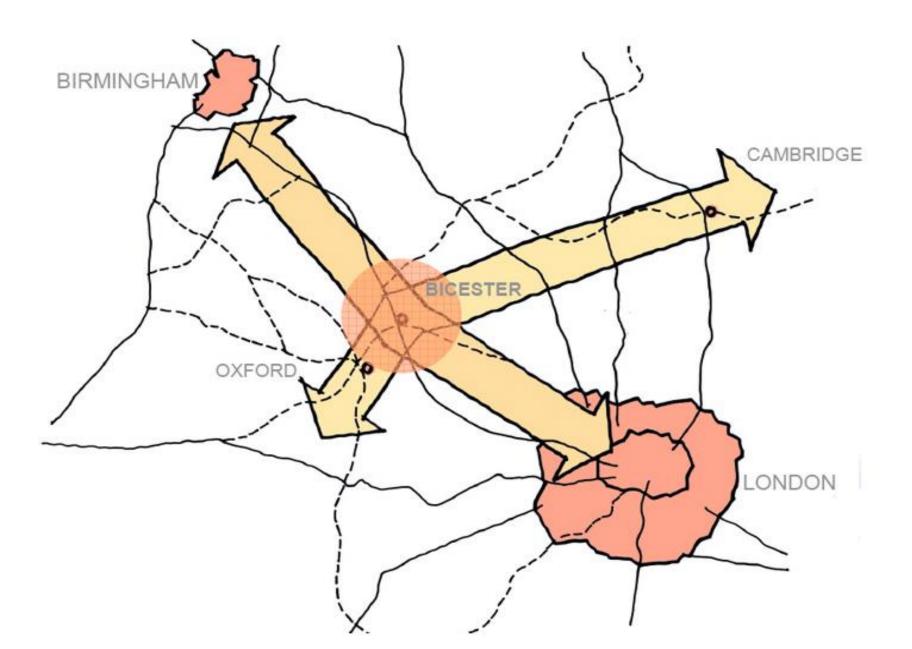
- make a significant contribution to two government policies:
 - 240,00 new homes by 2016
 - 80% reduction in CO₂ by 2050
- be exemplar projects which enable residents to live within environmental limits

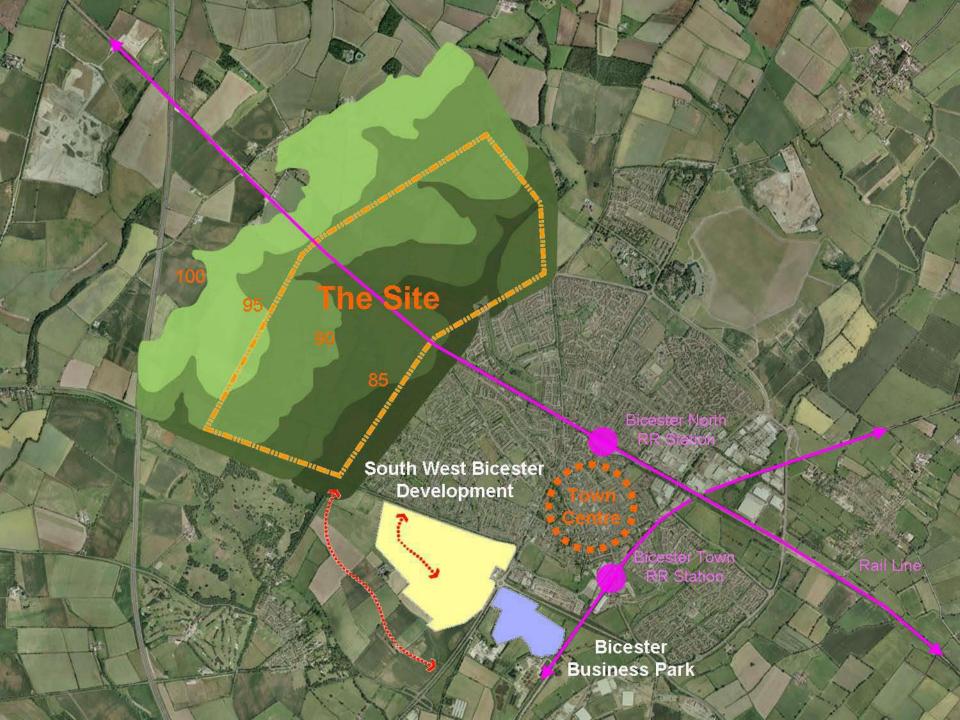
Eco-towns Planning Policy Statement, July 2009





1. Bicester's strategic position





Bicester eco-town 400 home exemplar





Bicester eco-town





Bicester Eco Town goes further than most

One of the largest developments to be built to code for sustainable home level 5 and zero carbon

The largest residential solar array in the country

It is a true zero carbon scheme

Creation of one job for each home

A unique governance structure

Commitment to use local business

Significant reduction in embodied carbon within the build

One Planet Community



Politics! Garden cities





One Planet Living







One Planet Communities

One Planet Regions

One Planet Companies





North West Bicester, UK
A2 Dominion



Riverside One, UK
BioRegional Quintain



One Planet Middlesbrough, UK

Middlesbrough Council



One Planet Sutton, UK

London Borough of Sutton



BedZED, UK
Peabody / BioRegional



London 2012 Olympic and Paralympic Games

London 2012



One Brighton, UK
Crest Nicholson
BioRegional Quintain



Masdar City, Abu Dhabi Mubadala



The Hills, Guangzhou, China

China Merchants Property Development



Petite Rivière, Canada

Groupe Pacific



Grow Community Bainbridge Island, USA Asani



Sonoma Mountain Village, USA Codding Enterprises



Imbera
Queretaro, Mexico



Mata de Sesimbra, Portugal Pelicano

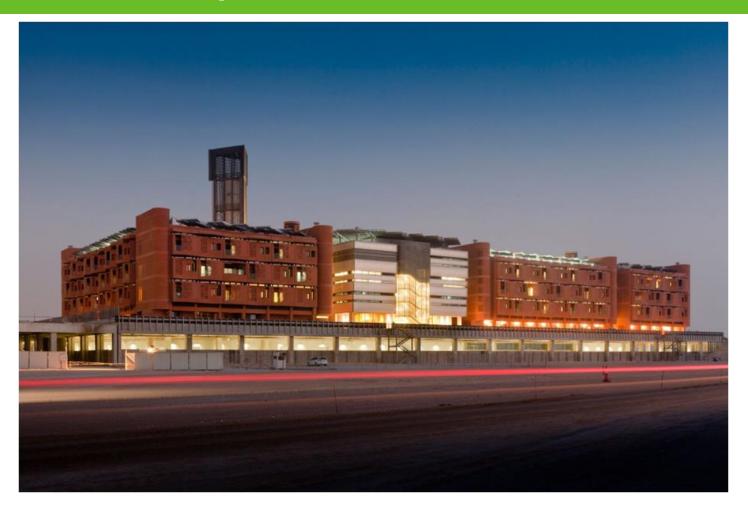


Ivory Park / Sibaya, South Africa Johannesburg EcoCity Trust / Tongaat Hulett Developments



Barangaroo, Australia Barangaroo Delivery Authority / Lend Lease

Masdar City – Abu Dhabi





Sonoma Mountain Village, California

Developer, Codding Enterprises
Approximately 2000 homes



solutions for sustainability

'5 minute living'

Housing

Work

Groceries

Restaurants

Services

Sports, gardens, gym

Shops, theater, hotel





One Planet Living to the United Nations







BioRegional solutions for sustainability