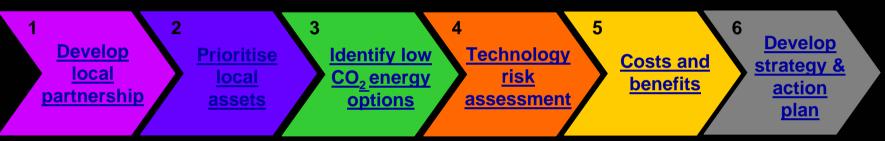




Community involvement in strategy development



1.

Why?

Merton Council has set a target of cutting CO₂ emissions by 15% by 2015

2. Fuel poverty

3. Lower local business costs

Combat climate change

4. Save money for Merton Council

How will we do this...??

5. Raise awareness





Step 1 Identify stakeholders & local needs 1

Merton Environment & Safety Forum

- > Residents associations
- > Community groups and Charities
- "Green" groups Friends of the Earth
- > Professionals engineers, architects, consultants
- > Agencies & energy companies Environment Agency
- > Merton Council officers
- > Local politicians all Parties
 - London and Academic partners











Dissemination and Replication

LONDON

London Regional Government (GLA)

"London Energy Partnership" & "London Climate Change Agency"

Merton is the pilot London "Energy Action Area"

Academic partners

- Oxford University
- Worcester Polytechnic Institute Mass
- Massachusetts Institute of Technology
- Venice University
- University College London







Step 2 Identify and prioritize assets 1

Activity assets						
CO ₂ emissions	Influence					
Industry and Manufacturing	Low					
Food / Lifestyles	Low					
Transport	Medium					
Waste Management	Medium					
Buildings and Energy	High					

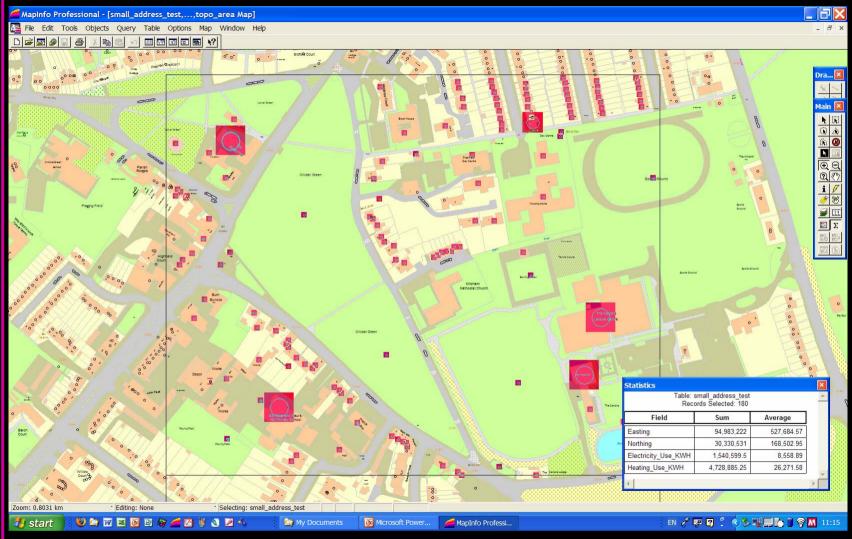








Step 2 Identify and prioritize assets 2



Merton Town Centre







Step 2 Identify and prioritize assets 3



Energy assets	Value
Geothermal	Zero
Hydro	Zero
Large scale wind	Low
Solar Photovoltaic (PV)	Medium
Solar water heating	Medium
Small scale wind	Medium
Fuel assets	Value
Agricultural crops	Zero
Landfill gas	Low
Sewerage gas	Low
Wood	Medium
Domestic and municipal biomass	High





Identify low CO₂ energy options 1



Combined Heat and Power - renewable energy – Hydrogen fuel cell



















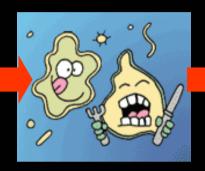
Identify low CO₂ energy options 2





Anaerobic digestion

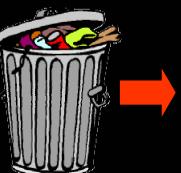








Pyrolysis















Step 4 Technology risk assessment

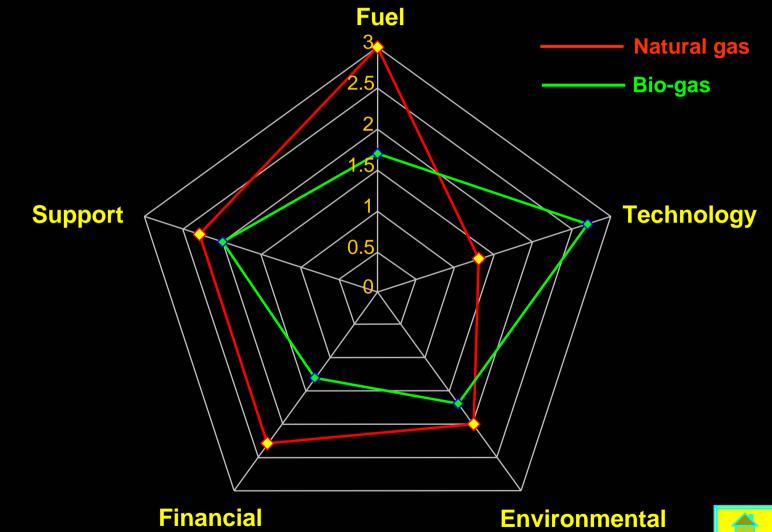
	Risk perceived by local municipality 1= Negligible. 2 = Low. 3: Needs attention. 4 = Problem but resolvable. 5 = Irresolvable.									
COMBINED HEAT & POWER	Fuel	mark	Technical	mark	Environmental	mark	Finance	mark	Support	mark
Natural gas	Availability	4	Machinery	1	CO ₂ emissions	3	Investment	2	Corporate	2
	Supply	4	Operation	2	Biodiversity	1	Fuel costs	4	Political	2
	Storage	1	Reliability	1	Safety	2	Operating	1	Public	3
		3.0		1.3		2.0		2.3		2.3
Pyrolysis & Anaerobic Digestion Bio-gas	Availability	1	Machinery	3	CO ₂ emissions	1	Investment	2	Corporate	1
	Supply	1	Operation	2	Biodiversity	1	Fuel costs	1	Political	1
	Storage	3	Reliability	3	Safety	3	Operating	1	Public	4
		1.7		2.7		1.7		1.3		2.0











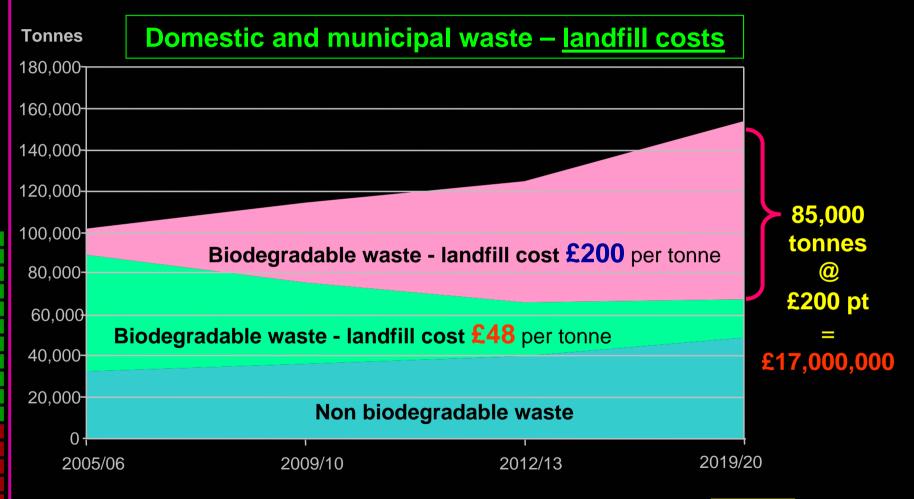




Step 5

Examine costs and benefits



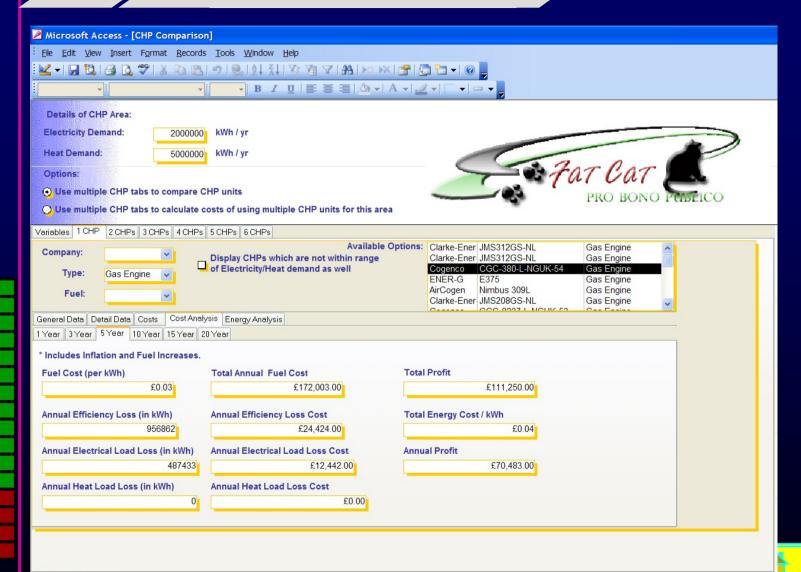




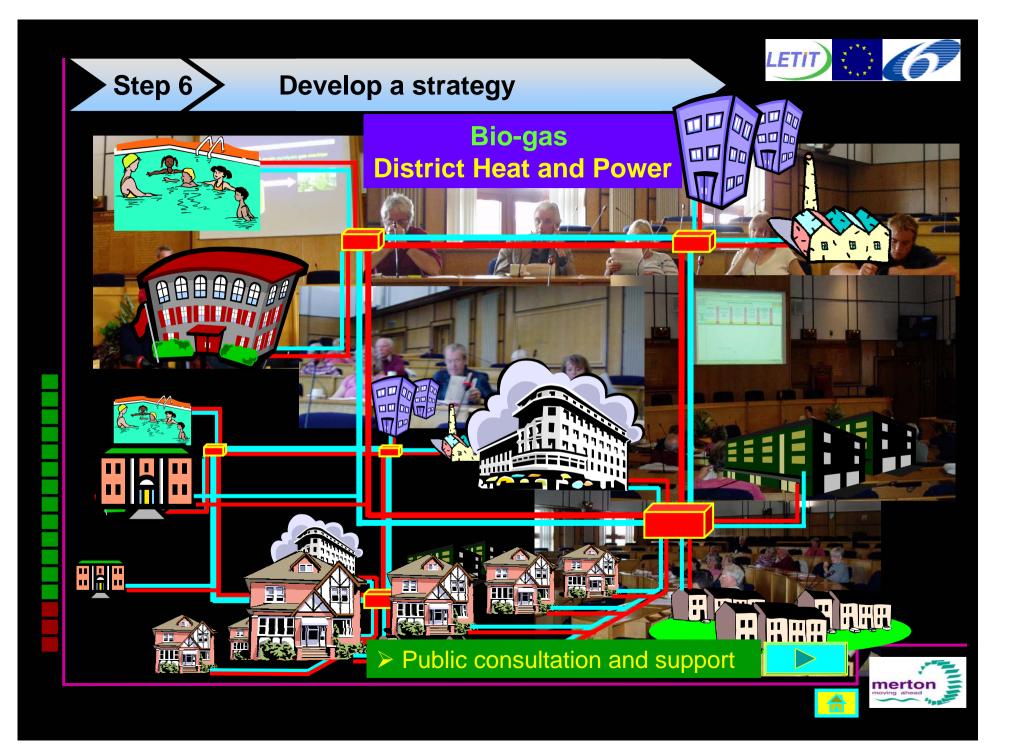




Step 5 Examine costs and benefits 2







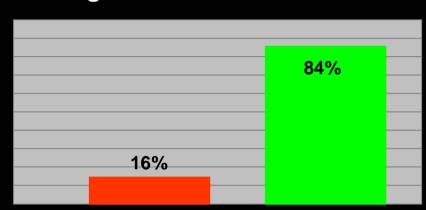


Public support

Merton Town Centre regeneration consultation

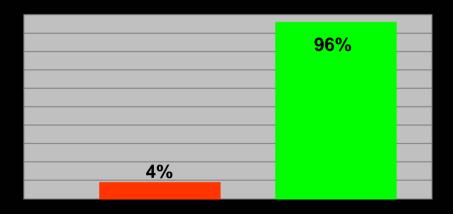
Question 6

"Would you support the use of renewable energy to generate hot water and electricity?"



Question 7

"Would you support the use of sustainable energy generation and distribution systems?"



> Local and regional newspapers









The next battle in London's war against climate change is set to be fought on Merton soil by harnessing the powers of renewable energy.

The borough wants to help save the environment by generating its own electricity and hot water, using a of miniature network power stations dotted around the borough.

COMES TO

The next battle in London's war agains climate change is set be fought on Mer ton soil by harnessing the powers of renewable energy.

The borough wants to help save the environment by generating its own electricity and hot water using a ne work of miniature power stations ed around the borough.

ese combined heat and pow

combined heat and power units, now save taxpayers almost £1million a year. It generates so much electricity that it can sell surplus to external companies.

Merton's fame as the first local authority to insist that large new devel-





Final LETIT strategy workshop – 1st April 06 Agreeing the Strategy and Action Plan



Develop local partnership

Prioritise local assets

Identify low CO₂ energy options

Technology risk assessment

Costs and benefits

Develop strategy & action plan

