

The Manchester Mini-Stern

Steve Turner

Head of Carbon

Commission for the New Economy

**new
economy**

The Deloitte logo, consisting of the word "Deloitte" in a white, sans-serif font with a small yellow dot at the end of the word. The background is a dark blue sky with a sunset or sunrise over a field of solar panels.

Deloitte.

‘Mini-Stern’

Assessing the economic impact of
climate change legislation on the
Manchester City Region and the North West

Final report

August 2008

The Deloitte logo, consisting of the word "Deloitte" in a white, sans-serif font with a small yellow dot at the end of the word. The background is a dark blue sky with a sunset or sunrise over a field of solar panels.

Deloitte.

‘Mini-Stern’

Assessing the economic impact of
climate change legislation on the
Manchester City Region and the North West

Final report

August 2008

The Deloitte logo, consisting of the word "Deloitte" in a white, sans-serif font with a small yellow dot at the end of the word. The background is a dark blue sky with a sunset or sunrise over a field of solar panels.

Deloitte.

‘Mini-Stern’ for Manchester

Assessing the economic impact of EU and UK
climate change legislation on Manchester City
Region and the North West

Final report

August 2008

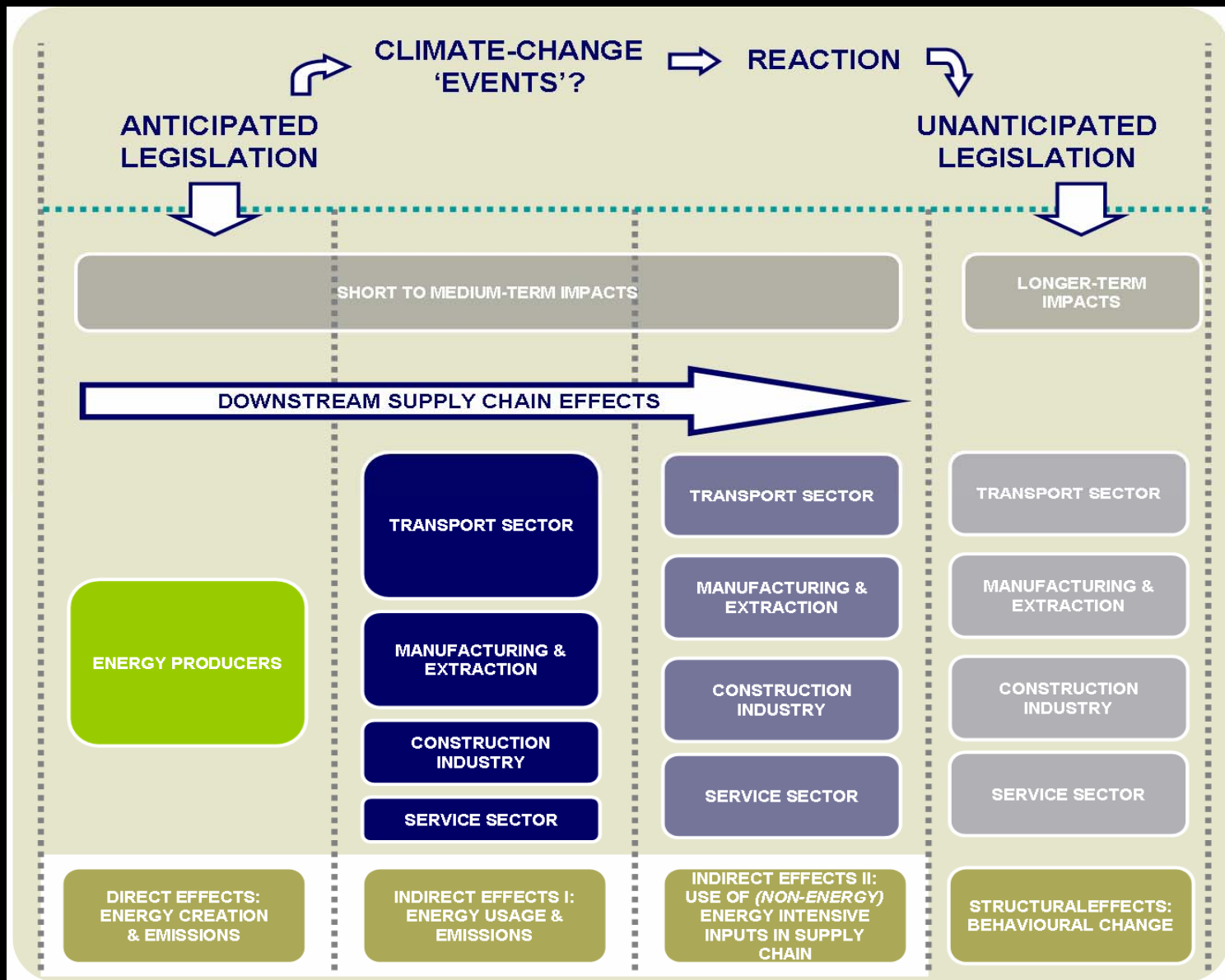
Proposed actions: 2008 - 2011

		2008				2009				2010				2011			
Carbon aim:		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Carbon Reduction Commitment	-1.1mt p.a. by 2020	Energy Co's send out info				Covered parties submit data											
Climate Change Bill	-26-32% by 2020	Shadow committee appointed	Target for royal assent			DE-22 budgets in legislation	Gov plan for meeting budgets			First committee report on progress					Adaptation risk report. & programme		
Climate Change Levy	- 2.5mt p.a. by 2010		Taxable commodity rates raised														
Renewables Obligation	renewable energy supply to 15.4% by 2015/16						Preliminary accreditation deadline										
Renewable Transport Fuels Obligation	5% renewable fuel by 2010		Scheme comes into force														

Phase periods: 2008 - 2020

		2008				2009				2010				2011				2012				###		###			
Carbon aim:		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Kyoto Protocol	-5% by end of 2012	Phase II												End of first commitment period				Phase II									
EU ETS	-20-30% by 2020	Phase II												Phase III - Fully open market				Phase I				Phase IV					
Carbon Reduction Commitment	-1.1mt p.a. by 2020	Coverage baseline				Preparation				Introductory Phase																	
Climate Change Bill	-26-32% by 2020	Budget Period I												Budget Period II													
Climate Change Levy	- 3.5mt by 2010									End of first target period																	
Renewables Obligation	15.4% by 2015/16																										
Renewable Transport Fuels Obligation	5% by 2010		Scheme starts			End of first target period																					
Building regulations	0 by 2010					End of first target period																					

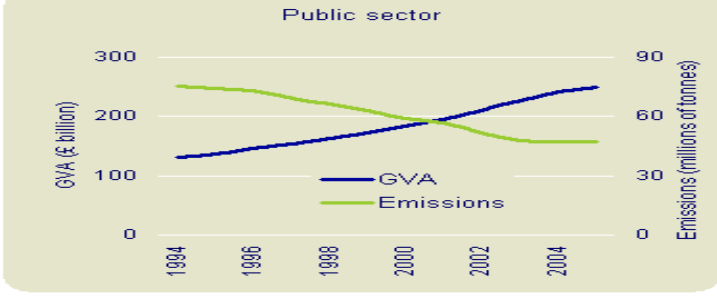
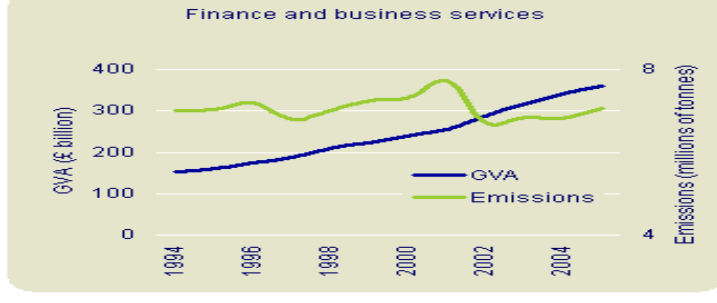
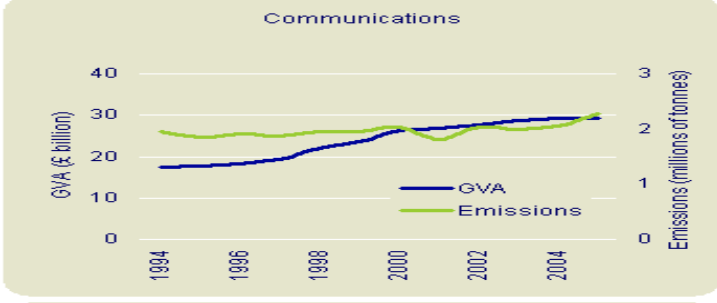
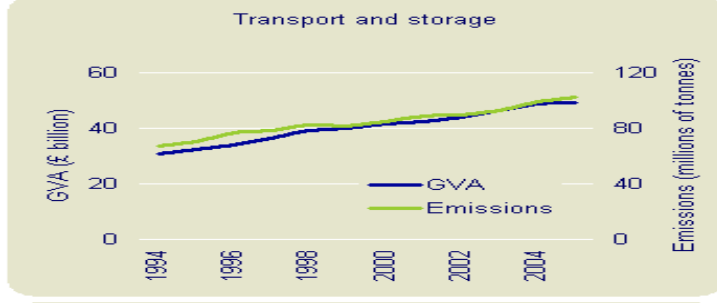
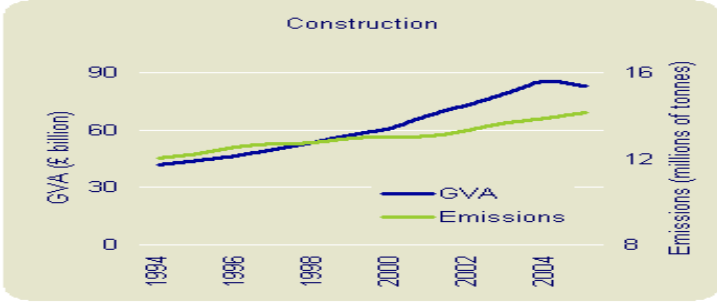
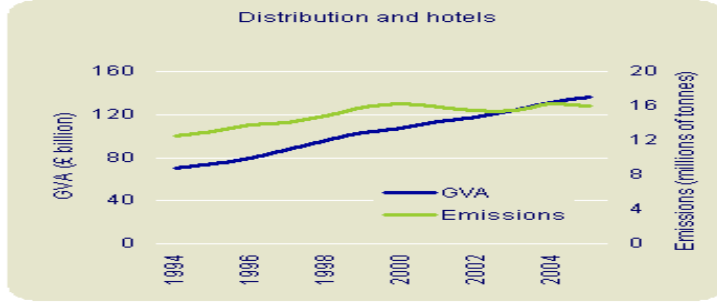
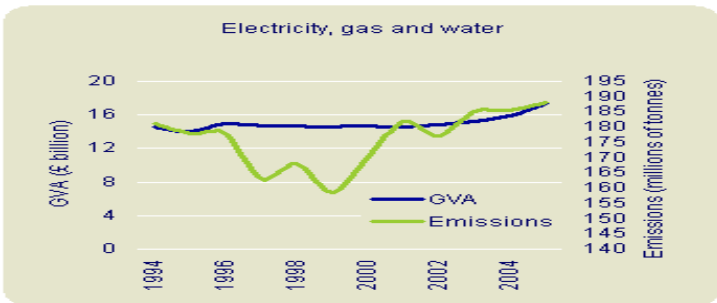
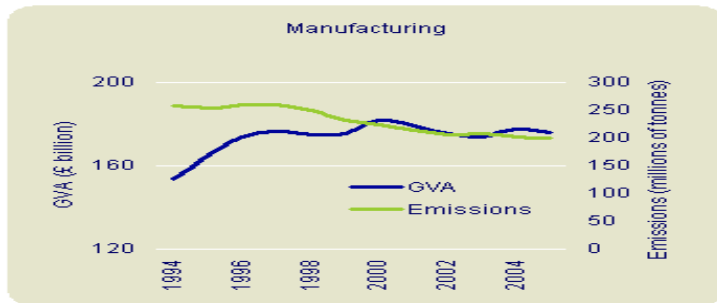
###		###		###		###									
Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3



AT RISK...

- **BIG** energy users
- **BIG** CO2 emissions
- **BIG** economic drivers
- **BIG** employers
- **BIG** contributors to GVA





the goalposts have moved



carbon criminal...



carbon animal...



Manchester..the first industrial city

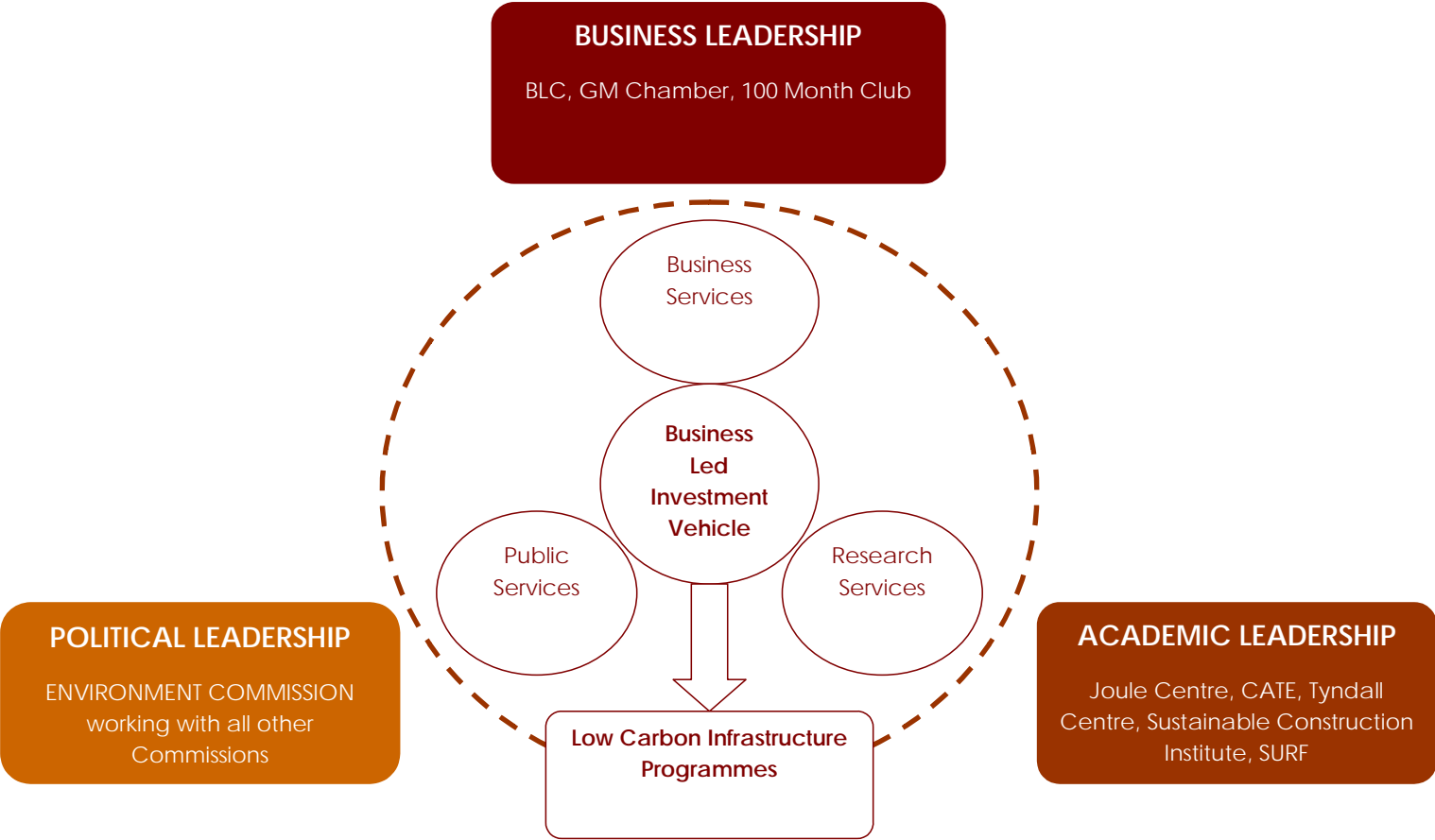


THE 5 DRIVERS OF PRODUCTIVITY

- **Innovation**
- Investment
- Skills
- Enterprise
- Competition

TRIPLE HELIX

THE TRIPLE HELIX







VANCOUVER

The cities that will prosper will tend to be those that are early to recognise the importance of climate change and foresee at least some its implications for their economies and citizens and take appropriate steps well in advance.

Steve Turner
Head of Carbon
Commission for the New Economy

steve.turner@manchester-enterprises.co.uk

www.manchester-enterprises.com

**new
economy**