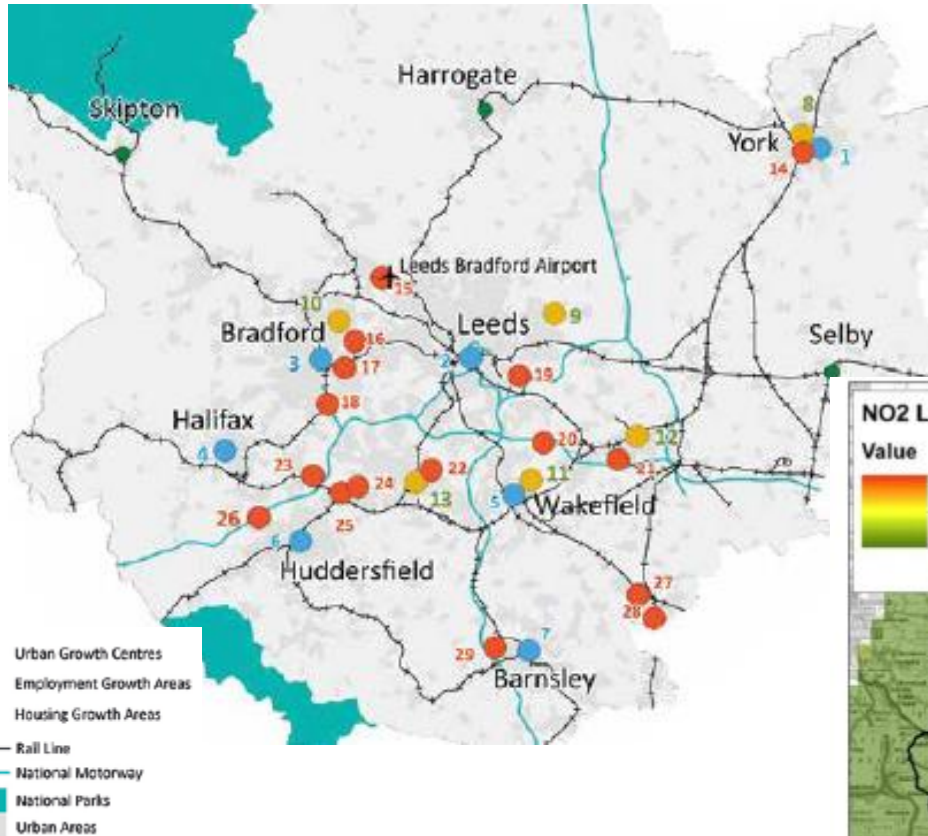
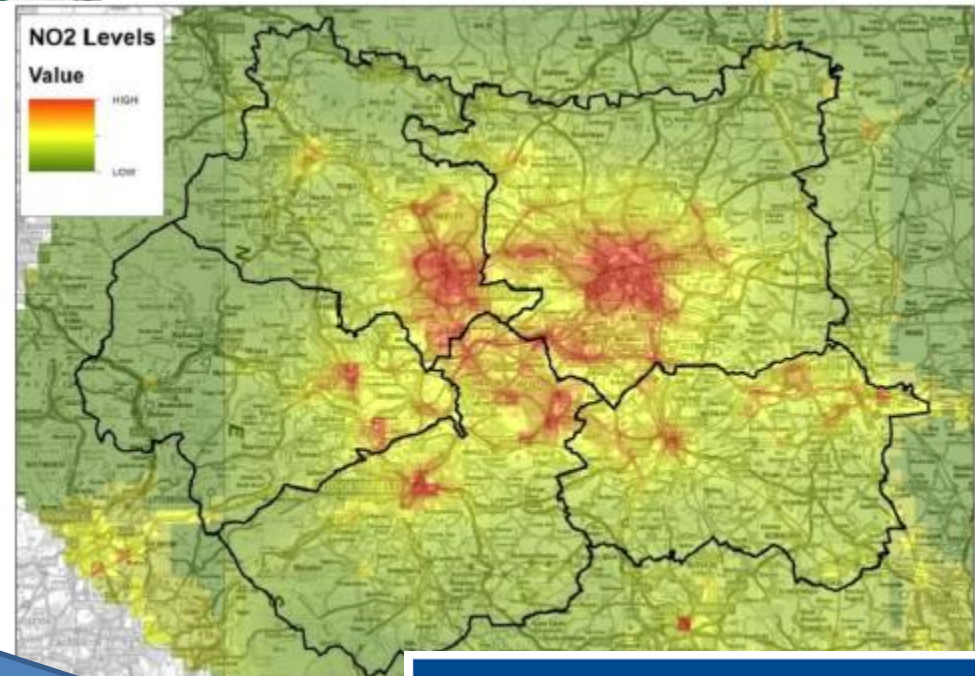


Energy transport and environment: Reflections on the policy context in West Yorkshire

Regional development and emissions



35,700 new jobs
10,000 new homes per year
Population growth - increasing
working age population



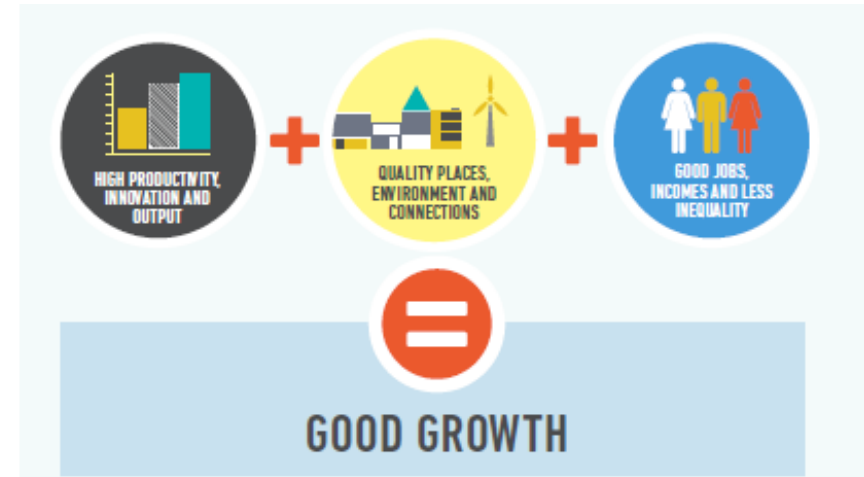
29 air quality management areas
declared across region

City of Bradford MDC

www.bradford.gov.uk

Toward sustainable development – West Yorkshire

- Economic plan
 - Growing business
 - Skilled people, better jobs
 - Clean energy and resilience
 - Infrastructure for growth
- Climate change & energy policy
 - Carbon targets
 - Demand reduction
 - Carbon intensity – supply side
 - Tackling fuel poverty
- Transport plan
 - Investment in road network
 - Places to live and work
 - Transport system
 - Environment health wellbeing and inclusion



To improve the transport system of West Yorkshire in a way that it makes a significant contribution to improving the health and overall wellbeing of people living and working here.

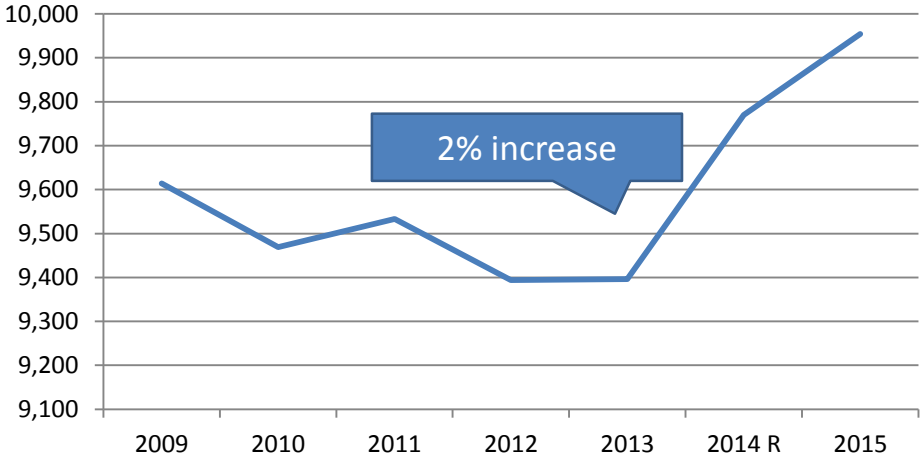
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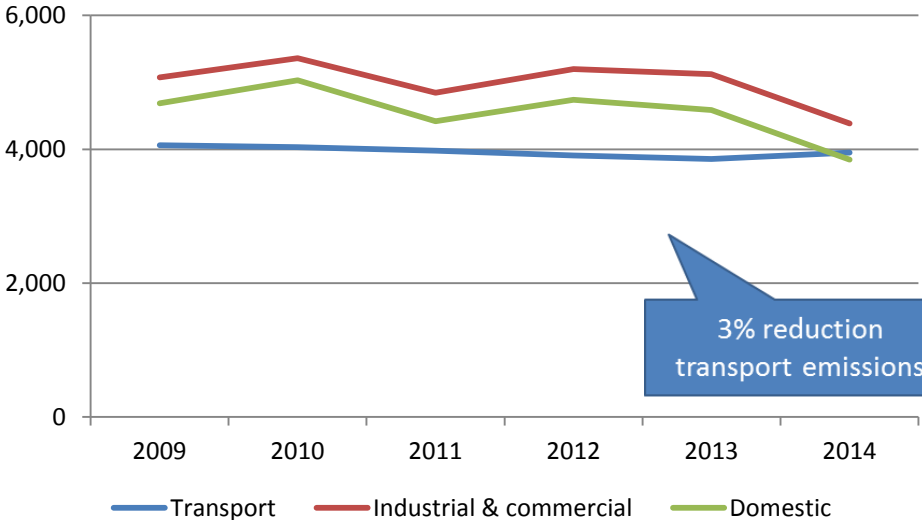
Reality check – transport and environment

Do cheaper running costs translate into extra vehicle miles? (we've seen this with energy – rebound effect)

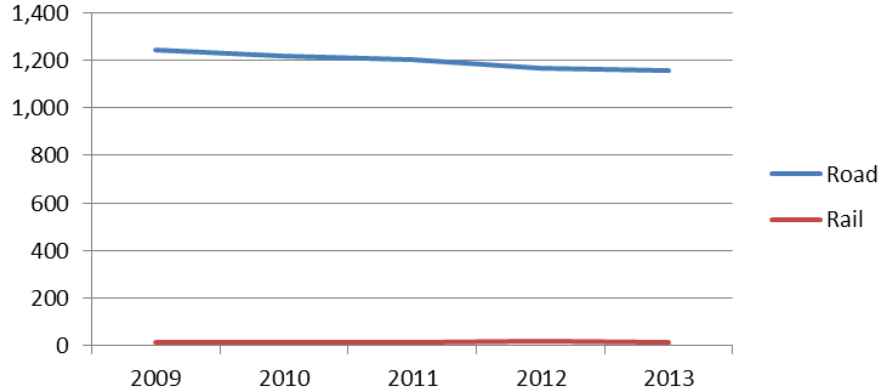
West Yorks vehicle miles (millions)



West Yorks sector CO2 emissions (kt)



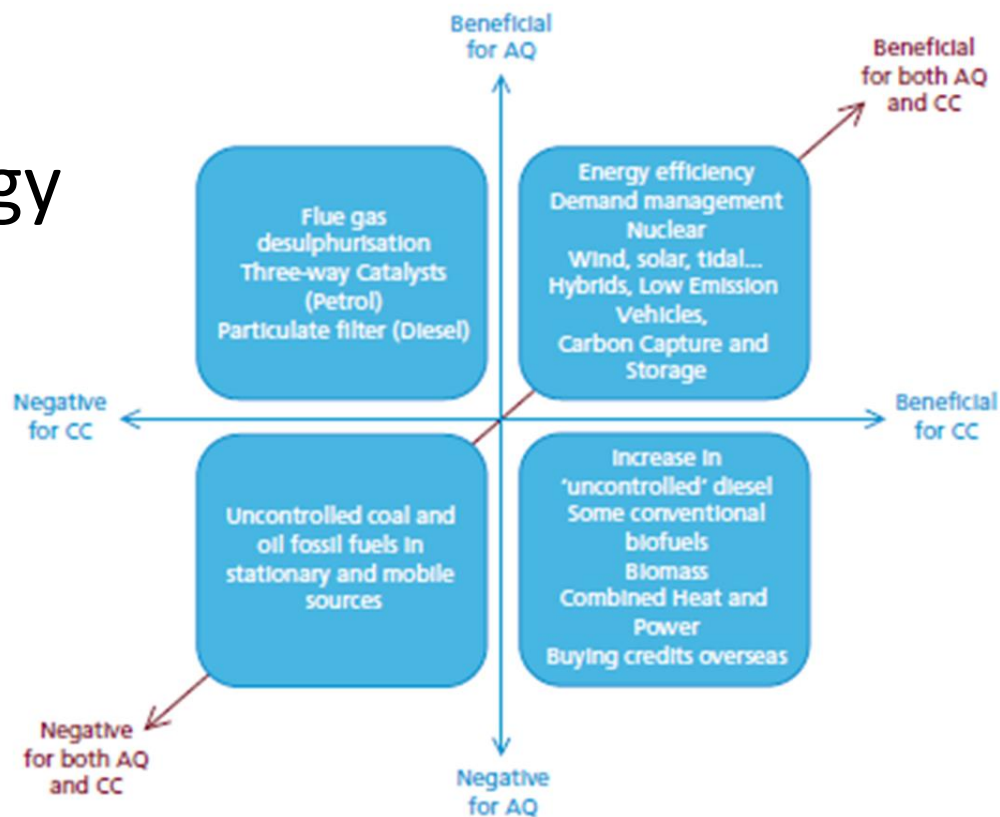
West Yorks transport energy consumption (kilotonnes of oil equivalent)



The policy silo-effect?

- Energy trilema
- Renewable energy subsidies
- Clean air zones
- Decentralised energy
- STOR
- Biofuels
- Dash for diesel
- Dash for gas
- Phase out coal

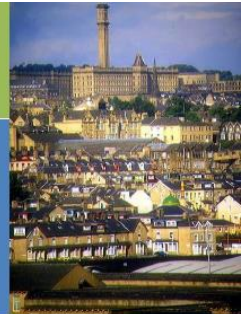
Air pollution in a changing climate DEFRA 2010!!!



Policy focus - West Yorkshire low emissions strategy

- Higher incidence of asthma, COPD and heart difficulties – 5% mortality rate related to PM2.5
- Tackle transport emissions to deliver significant and rapid improvements – target older diesel vehicles
- Encouraging uptake of ULEVs
- Air quality and planning technical guidance
- Low emission procurement guide

West Yorkshire Low Emissions Strategy
2016 to 2021



City of Bradford MDC
www.bradford.gov.uk

Calderdale Council

Kirklees Council

Leeds City Council

Wakefield Council
working for you

WEST YORKSHIRE
COMBINED AUTHORITY

*Delivering Cleaner
Air for All in
West Yorkshire.*

December 2016

Conclusion

- Economic growth must deliver on environmental and social objectives
- Less emphasis on technology
- Policy integration is needed for enhanced sustainability outcomes
 - Health & wellbeing
 - Environment & climate change
 - Inclusive economy