

Objective 3 – Sustainable Prosperity

Target 11 – Climate Change and Energy

Summary

Reduce CO₂ emissions attributable to the South East by 20% from the 2003 baseline by 2016 as a step towards the national target of achieving a 60% reduction on 1990 levels by 2050, and increase the contribution of renewable energy to at least 10% of electricity supply in the South East by 2010 as a step towards achieving 20% by 2020.

Expected Outcomes:

- 20% reduction in CO₂ emissions equalling 3.9 million tonnes reduction per annum
- 10% increase in renewable electricity supply

NB: We expect the national 2050 target for CO₂ reduction to be raised from 60% to 80% and for national targets for renewable energy to be considerably increased, in response to the EU's agreement for 20% of energy to be derived from renewable sources by 2020. Our regional targets will be reviewed accordingly, in response to changes in national targets

Priority Actions and Activities	Contribution to the Target	Partner(s) (lead partner(s) in bold)	Timescales			Required Funding	Funding source(s)
			07-08	08-11	12-16		
1. Reduce public sector carbon and energy use							
<ul style="list-style-type: none"> • Commitment by regional/sub-regional public bodies to carbon and energy reduction/efficiency action plans as part of business plans 	Demonstrable reduction over plan period	SEFS/SEEDA Other public sector bodies					

<ul style="list-style-type: none"> Commitment of all local Public Sector bodies through LAAs/MAAs to carbon and energy reduction/efficiency action plans 	Demonstrable reduction over plan period	Local authorities Other public sector bodies					
<ul style="list-style-type: none"> Diamonds leadership action to reduce 3 key elements of Ecological Footprint (area-wide energy use, homes, water), helped through mutual aid and support from the Diamonds EFp Policy Group 	Early delivery of RES target to stabilise footprint	Diamond Local Authorities Other public sector bodies					
<ul style="list-style-type: none"> Development of a common calculation and assessment methodology as part of a Regional Carbon Action Plan and capacity-building support 	Baseline and transparent, consistent reporting of progress	SEEDA/SEFS Local authorities, other public sector bodies					
<ul style="list-style-type: none"> SE Region-wide Carbon Offsetting Fund to complement local off-setting Funds where they exist, and to pay for local energy efficiency schemes particularly retrofitting. 	Direct carbon-savings through funded projects in SE region	Climate South East/SEEDA All public sector bodies					
<ul style="list-style-type: none"> Adaptive Planning for Climate Change 	Energy/carbon reductions and longer-term resilience	Environment Agency; Climate South East GOSE, SEEDA, local authorities, infrastructure providers, UKCIP					

2. A leading-edge renewable energy sector							
<ul style="list-style-type: none"> Assess the capacities and strengths of the region's renewable energy sectors (wave, tidal, wind, biomass) and develop a prioritised energy sector and supply chain development strategy, including skills and capacity-building 	Sound basis for prioritisation of support (incl. leading –edge development)	SEEDA Envirobusiness, energy industry & supply chain companies, Sector Skills Councils					
<ul style="list-style-type: none"> Support/assist further development of the offshore wind industry 	Building-up regional centre/s of excellence and developing supply chains	SEEDA Envirobusiness, energy agencies, energy developers, local authorities					
<ul style="list-style-type: none"> Utilise Public Sector specification and procurement to support projects and developments that scale up production of renewable energy 	'Demand pull' to achieve sector expansion/economies of scale	Public sector					
<ul style="list-style-type: none"> Establish a Renewable Energy Challenge Fund and Challenge Panel to encourage, test and support large-scale renewable energy schemes 	Stimulus to leading-edge development and deployment	SEEDA					
<ul style="list-style-type: none"> Expand Energy Efficiency & Renewables Advice 		Business Link					
<ul style="list-style-type: none"> Support and Assist Innovation/Commercialisation of New Renewable Energy Opportunities 	Sector development	SEEDA					

3. Break the link between GVA growth and car use through a modal shift							
<ul style="list-style-type: none"> Support home-based businesses and promote home working to employers and employees, supported by delivery of Next Generation Broadband by 2016 	Reduction in car use/other travel – and corresponding emissions	SEEDA, business organisations					
<ul style="list-style-type: none"> Create exemplar sustainable travel towns in new developments such as Ebbsfleet 	Reduction in car use/other travel – and corresponding emissions						
<ul style="list-style-type: none"> Promotion & support for public transport/improving modal integration 	Reduction in car use						
<ul style="list-style-type: none"> Spatial planning & service provision/location to reduce need for travel 	Reduction in car use/other travel – and corresponding emissions	SEERA, GOSE, planning authorities					