

1. Overview		
Priority Aim	Action	Lead Body
1.1 Embed RE&EE uptake in organisational culture	1.1.1 Develop & deliver simple communication strategy for RE&EE in Northumberland	NaREC / NREG
	1.1.2 Create a well designed, NREEES (& regional?) dedicated web site to include advice to interested parties – info centre point	NaREC / NREG / EST / Carbon Trust / (GONE?)
	1.1.3 Create & distribute succinct, clear information leaflet(s)	NREG
	1.1.4 Keep NREEES website updated as info centre point	NaREC / NREG / EST / Carbon Trust
	1.1.5 Make best practice normal practice – 2 way flow of info to compliment existing work	NaREC / NREG
	1.1.6 Develop Schools for the Future project from pilots to wider programme	NEA / NCC
1.2 Use RE&EE as driver for raising aspirations, understanding and opportunities in Northumberland	1.2.1 Develop good practice projects e.g. at Amble & Northumberland Business Park – at least one for each District	LAs / Bus Link / NREG
	1.2.2 Investigate feasibility of pilot projects to ensure security of supply at local level e.g. Amble	NSP S&P Group / LAs / Bus Link
	1.2.3 Identify factors that encourage / keep RE&EE businesses to the region & Northumberland, and use info to attract additional companies	Bus Link / NCC / OneNE
	1.2.4 Support the positive approach to energy set out in the Northumberland County and National Park Joint Structure Plan Review	NCC / NNPA
	1.2.5 Research the market for investment in RE&EE technology, services & production facilities	NCC / OneNE
	1.2.6 Develop opportunities within Northumberland schools to raise awareness and ambitions	NCC
1.3 Provide high quality training on RE&EE	1.3.1 Training analysis – current requirements and those to help stimulate the sector – R&D (Level 5+), and Level 2+	NAREC? / Northwoods
	1.3.2 Training provision – skills support & development for Level 2+ and Level 5+	NCC / Business Link / LSC / NSP

1.4 Access funding to integrate RE&EE in all areas of life	1.4.1 Develop simple, accessible portal for domestic & industrial users, including, opportunities, contacts and financial implications (building on regional toolkit) – Info Centre Point	NREG
1.5 Maximise leadership / delivery skills to make Northumberland global leader in RE&EE	1.5.1 Develop role to drive forward & co-ordinate NREES strategy delivery	NREG / NSP
	1.5.2 Encourage / support innovative developments in RE&EE sector which help deliver economic regeneration to Northumberland	NREG
	1.5.3 Promote the Northumberland renewable energy and energy efficiency approach at a regional, national and international level	NREG

WORKING
DOCUMENT

2. Domestic		
Priority Aim	Action	Lead Body
2.1 Ensure energy efficiency & renewables measures are integral in new builds, refurbishment & managements	2.1.1 LAs adopt a positive planning approach to assist in delivery of NREES	LAs
	2.1.2 LAs integrate RE &EE into development & management of public sector housing & other buildings from an early stage	LAs / NREG / EST
	2.1.3 Develop pilot programme / actions to encourage developers to go beyond existing building regulations when considering energy usage in new housing	BVBC / EST
	2.1.4 Develop awareness raising / training in building sector and associated industries in conjunction with regional initiatives	LSC / Bus Link / GONE
	2.1.5 Identify private sector champion for RE&EE	NSP / Bus Link
	2.1.6 Identify & develop shared heating / CHP opportunities	NCC
	2.1.7 Research and develop NaREC / house builders partnership	NaREC
2.2 Integrate RE&EE agenda into all aspects of Public Sector delivery	2.2.1 Carry out training / awareness raising programme for LA officers & Members, and other public sector officers	NCC / GONE / Northumbria LASP
	2.2.2 Challenge LAs to adopt RE&EE policy (ref Structure Plan) as corporate policy and/or Supplementary Planning Guidance	NSP / NREG
	2.2.3 Facilitate local authorities to meet their HECA targets, including through energy efficiency programmes to tackle the fuel rich and the fuel poor.	Northumbria LASP
	2.2.4 Target the fuel rich through the expansion of the Better Living scheme across Northumberland	NEWs group / NEEAC
	2.2.5 Target fuel poor to make homes more thermally efficient through a countywide affordable warmth strategy using WarmZone as the delivery agent	Warmzone / EST / LASP
2.3 Improve communication of RE&EE issues	2.3.1 Clearly communicate / promote funds & support available, costs / payback period	Carbon Trust / EST / NEEAC
	2.3.2 Link information to NREES web-site	NaREC

3. Industry		
Priority Aim	Action	Lead Body
3.1 Engage businesses regarding RE&EE measures	3.1.1 Continue to support Business Link PBA	Bus Link
	3.1.2 Embed generation for water treatment and sewage treatment works	Northumbrian Water
	3.1.3 Promote both the development and application of the solar energy sector in Northumberland & region	NaREC
	3.1.4 Engage trade associations to provide support and signage	NEEBS
	3.1.5 Engage Northumberland companies to address EE in-house, and promote RE&EE through their supply chain / procurement policies	Carbon Trust / Bus Link / NCC
3.2 Increase awareness in business re increase in utility prices	3.2.1 Integrate up-to-date RE&EE issues into Business Link advice & training provisions	Bus Link
	3.2.2 Encourage issue promotion through NE Chamber of Commerce	Bus Link
	3.2.3 Embed RE&EE into new Business Park development – develop exemplars	LAs
3.3 Ensure business advisors are aware of RE&EE issues and support available	3.3.1 Target business advisors within Northumberland, including accountants and bank managers	Bus Link
	3.3.2 Utilise brokerage system to raise awareness / knowledge / understanding within wider support mechanisms	Bus Link
	3.3.3 Use BREEAM model as best practice – aim beyond just meeting legislation	Bus Link / GONE
	3.3.4 Co-ordinate marketing approach from delivery partners	Bus Link / EIF / NEEBS

4. Wind		
Priority Aim	Action	Lead Body
4.1 Tackle misconceptions of, and barriers against, wind turbines	4.1.1 Build on awareness work being undertaken at local & regional levels e.g. TDC	NREG
	4.1.2 Promote & assist facilitation of regional training of LA members / staff – education package – use regional package when available.	NCC / NSP / GONE
	4.1.3 Demonstrate by good examples & best practice – e.g. Wansbeck General, Blyth Quayside, urban fringe eg through a dedicated website	LAs / SENNTRI
	4.1.4 Develop public & private sector wind turbine pilot projects [overlap with INDUSTRY]	REALL / wind turbine developers / Bus Link
4.2 Address grid connection & management problems	4.2.1 Establishment of public/private sector partnership to address distribution issues	NCC (& GONE?)
	4.2.2 Develop Northumberland as pilot area (possibly based on Scottish Exec / Northumberland Broadband approach)	TNEI / Econnect / PB Power / <i>et al</i>
4.3 Support & promote local Renewable Energy businesses	4.3.1 Identify potential public & private sector sites for small scale wind turbine development	Bus Link / TNEI / NREG
	4.3.2 Develop & deliver a portfolio of local renewable energy projects	REALL / LAs
	4.3.3 Continue / develop wider support, particularly in urban & urban fringe areas	Business Link
	4.3.4 Continue to support supply, servicing & R&D businesses within sector	NCC

5. Hydro		
Priority Aim	Action	Lead Body
5.1 Reassess regional hydro resource	5.1.1 Pilot survey / feasibility study to assess the potential for small scale hydro schemes in Northumberland, as pilot for Region	Northumbrian Water / EA
5.2 Establish Northumberland as national leader in wave & tidal renewables	5.2.1 Promote Northumberland as focus for wave & tidal renewables research and development activity	NaREC / NREG
	5.2.2 Support leading edge companies located with the County	NREG
5.3 Maximise recovery of energy from pumped water	5.3.1 Ground source heating – maximise opportunities. Identify potential projects (from public & private sector)	NREG / LA sub-group
	5.3.2 Assess the feasibility of utilising pumped water to generate electricity	Northumbrian Water
5.4 Promote reduction in water consumption	5.4.1 Support / promote water reduction campaign	Northumbrian Water

6. Biomass		
Priority Aim	Action	Lead Body
6.1 Demonstrate viability of biomass heating	6.1.1 Support regional developments, and encourage demonstration projects in Northumberland	BIG / NREG
	6.1.2 Collate & disseminate info from exemplar projects, eg Kielder scheme – expand projects where appropriate & develop similar projects	Northwoods <i>et al</i>
	6.1.3 Investigate potential of Wood Fuel 'Centre' (for region and county)	NREG
	6.1.4 Develop Regional Wood Fuel Centre inc a centre information point & project facilitation service with access to info for domestic, SMEs & public sectors	Bus Link / NREG / GONE / Northwoods
	6.1.5 Investigate potential of agricultural waste biomass resources	NREG
6.2 Develop & support mechanisms to stimulate existing businesses	6.2.1 Support Business Link Personal Business Advisor	NREG / NSP
	6.2.2 Undertake feasibility studies to assess the potential for biomass plant within existing and new builds	Bus Link / LAs
	6.2.3 Develop programme of biomass heating systems in municipal buildings	LAs / NREG
	6.2.4 Develop boiler manufacturing industry in Northumberland	NCC / NaREC
	6.2.5 Establish a County wide scheme to train practitioners, based on regional skills mapping exercise	LSC / Northwoods
	6.2.6 Stimulate the economy by assisting local companies to diversify production to include renewable energy and energy efficiency equipment	NREG
	6.2.7 Develop / network a number of new & existing builds to include biomass heating, to support / sustain at least 1 biomass supply company	NREG
	6.2.8 Work with BIG to secure SRC supply, and support local pelletised supply	NREG
	6.2.9 Develop a network of local biomass fuel supply companies	Northwoods / Bus Link
	6.2.10 Promote local biomass fuel businesses throughout Northumberland & regionally	Northwoods / Bus Link
	6.2.11 Secure location of Wood Fuel Centre in Northumberland	NREG
6.3 Capitalise on demand for potential biomass use by Alcan	6.3.1 Continue to support and encourage developments	NREG

7. Alternative Energy		
Priority Aim	Action	Lead Body
7.1 Create viable bio-fuels sector	7.1.1 Research & pilot bio-fuel bus company / public transport project	NCC / BVBC / Arriva?
	7.1.2 Support alternative vehicle technologies projects that will help raise awareness of issues relating to renewable energy and energy efficiency, and have an impact on carbon emissions reduction (make 'green fuel' vehicles visible)	NREG / LAs
	7.1.3 Investigate joint purchasing opportunities through North East Procurement	NCC / LAs
	7.1.4 Develop biofuels business in North East & County	NREG
	7.1.5 Investigate the development of a pilot plan for bioethanol production in Northumberland as an outcome from TNEI study	NREG
7.2 Reduce the growth of traffic volumes	7.2.1 Influence, support & encourage Local Transport Plans (LTPs) and transport planners, including green travel plans	NCC
	7.2.2 Encourage / support wider sectors to implement LTP	NREG
	7.2.3 Embed traffic volume issue into tourism sector	NCC (LTP)
7.3 Develop solar and photovoltaic sector	7.3.1 Collate and disseminate information from existing projects, eg Cheviot Centre, Wooler and Lee Moor Farm, Alnwick	NREG
	7.3.2 Identify potential public and private sector projects	NREG
7.4 Green use of coal	7.4.1 Support & encourage national & regional initiatives	NaREC

Glossary:

BIG – (Regional) Biomass Implementation Group
BREEAM -Building Research Establishment Environmental Assessment Method
Bus Link – Business Link
EST – Energy Saving Trust
GONE – Government Office for the North East
LAs – Local Authorities (County & District Councils)
LASP – Local Authority Support Programme (Tyne & Wear and Northumberland)
LSC – Learning & Skills Council
NaREC – New and Renewables Energy Centre
NEA – Northern Energy Associates
NEEAC – Northumbria Energy Efficiency Advice Centre
NEEBS – North East Environment Business Service
NEWs – [*group of 6 LAs?*]
NCC – Northumberland County Council
NNPA – Northumberland National Park Authority
NREEES – Northumberland Renewable Energy & Energy Efficiency Strategy
NREG – Northumberland Renewable Energy Group
NSP – Northumberland Strategic Partnership (S&P = Sites & Premises)
REALL – Renewable Energy At A Local Level
RE&EE – Renewable Energy and Energy Efficiency
SENTRi – South East Northumberland / North Tyneside Regeneration Initiative