



Bath & North East Somerset
Core Strategy

Sustainability Appraisal Report
Annex I Contextual Indicators Monitoring Programme

Prepared for:

Bath & North East Somerset Council

Prepared by:


**ENVIRON
Exeter, UK**

Date:

April 2011

Project or Issue Number:

68C13479

Contract/Proposal No:	68C13479
Issue:	3
Annex:	I
Author (signature):	V Pearson
Project Manager/Director	
(signature):	 J Curran
Date:	April 2011

This report has been prepared by ENVIRON with all reasonable skill, care and diligence, and taking account of the Services and the Terms agreed between ENVIRON and the Client. This report is confidential to the client, and ENVIRON accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known, unless formally agreed by ENVIRON beforehand. Any such party relies upon the report at their own risk.

ENVIRON disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the Services.

Version Control Record				
Issue	Description of Status	Date	Reviewer Initials	Authors Initials
1	First draft	5/11/10	JC	VP
2	Final - Publication	18/11/10	JC	VP
3	Final - Submission	26/04/11	JC	VP

Table H.1: Proposed Monitoring Programme – Contextual Indicators				
SA Objectives	Proposed Contextual indicators	Published targets	Source of data	Frequency of reporting
Objective 1: Improve accessibility to community facilities and local services	Percentage of new residential development within 30 minutes public transport travelling time of: <ul style="list-style-type: none"> • GP • Hospital • Primary school • Secondary school • Areas of employment • Major retail centre 	N/A	AMR	Annual
	Amount and type of open space	N/A	AMR	Annual
Objective 2: Improve the health and well-being of all communities	Life expectancy (males and females)	N/A	Department of health and Association of Public Health Observatories (APHO) www.healthprofiles.info	Periodic. Last dataset was 2006-2008
	All age, all causes mortality	N/A	Department of health and APHO www.healthprofiles.info	Annual
	Early death rates from heart disease and stroke	N/A	Department of health and APHO www.healthprofiles.info	Annual
	Early death rates from cancer	N/A	Department of health and APHO www.healthprofiles.info	Annual
	Index of multiple deprivation health domain score (Lower Super	N/A	Indices of Multiple Deprivation	Every 3 years. Last data set was 2007.

	Output Area)			
	% of the adult population (age 16 years and over) who participate in sport and active recreation, at moderate intensity, for at least 30 minutes on at least 12 days out of the last 4 weeks.	N/A	Active People Survey	Annual
	Percentage of households within agreed access standards of a playing field / sports pitch.	N/A	B&NES Sport and Recreation Built Facilities Strategy and Action Plan	Held on GIS
Objective 3: Meet identified needs for sufficient, high quality and affordable housing	H1a - Progress against Local Plan Housing Delivery Target 1996-2011	The Local Plan housing requirement for the period 1996- 2011 is 6,855.	AMR	Annual
	H1a - Progress against Core Strategy Housing Delivery Target 2006-2026	The Core Strategy requirement is 11,000	AMR	Annual
	H4 – Net additional pitches (Gypsy and Traveller)	N/A	AMR	Annual
	H5 – gross affordable housing completions	35% affordable housing	AMR	Annual
	Average House Prices	N/A	AMR	Annual
	Indices of multiple deprivation (barriers to housing and services domain – LSOA)	N/A	Indices of multiple deprivation	Every 3 years. Last data set was 2007.
Objective 4: Promote stronger more vibrant and cohesive communities	Indices of multiple deprivation (all domains – LSOA)	N/A	Indices of multiple deprivation	Every 3 years. Last data set was 2007.

	Proportion of the population who live in wards that rank within the most deprived 10% and 25% of wards in the country. (Nat 2)	N/A	Indices of multiple deprivation	Every 3 years. Last data set was 2007.
Objective 5: Reduce anti-social behaviour, crime and the fear of crime	Total crime per 1,000 population	N/A	AMR	Annual
	Indices of multiple deprivation crime domain score (LSOA)	N/A	Indices of multiple deprivation	Every 3 years. Last data set was 2007.
	Domestic burglaries per 1000 households	N/A	Home Office	Annual
	Violent offences committed per 1000 population	N/A	Home Office	Annual
	Vehicle crimes per 1000 population	N/A	Home Office	Annual
Objective 6: Improve the availability and provision of training	% with NVQ4+		AMR	Annual
	% of LEA pupils obtaining 5 or more GCSEs (grade AC)	N/A	AMR	Annual
	Skills shortages	N/A	To be confirmed following closure of the Learning and Skills Council	Unknown
	Percentage of working age population (16 to 64/59) with a trade apprenticeship	N/A	To be confirmed following closure of the Learning and Skills Council	Unknown
	Percentage of working age population (16 to 64/59) with no formal qualifications	N/A	To be confirmed following closure of the Learning and Skills Council	Unknown
Objective 7:	NI 152 – Working	NI 152: reduce the	Nomis	Monthly

Ensure communities have access to a wide range of employment opportunities, paid or unpaid	age people on out-of-work benefits	numbers of working age people on out-of-work benefits by 1.5% across the district by 2010/11.	www.nomisweb.co.uk	
	Unemployment (Nat 1)	<p>EU European Employment Strategy:</p> <ul style="list-style-type: none"> • Regain the conditions for full employment and to strengthen cohesion by 2010; • Raise the overall EU employment rate to 70%; and • Increase the number of women in employment to more than 60% by 2010. 	Nomis www.nomisweb.co.uk / AMR	Annual
	Economic Activity/Inactivity Rate	N/A	AMR	Annual
	Children 0-15 in families on income support as a percentage of population 0-15	N/A	Department of Work and Pensions http://research.dwp.gov.uk/asd/asdl/ben_hholds/child_ben_hholds.asp	Last data available for 2006.
	Average (mean) earnings	N/A	AMR	Annual
	Employment by Occupational Group	N/A	AMR	Annual
	Employee jobs by industry	N/A	Nomis www.nomisweb.co.uk	Annual
	Travel to work by mode	N/A	Census / AMR	Census - every 10 years. Last

				data set 2001. AMR - annual
	% of the resident population travelling more than 10km to work	N/A	Census / AMR	Census - every 10 years. Last data set 2001. AMR - annual.
Objective 8: Enable local businesses to prosper	Business Demography	N/A	Office for National Statistics	Annual
	BD3 – Employment land available by type	N/A	AMR	Annual
	BD1 – Amount of floorspace developed by type (sqm)	N/A	AMR	Annual
	Office Gains Losses and Net	The target for Keynsham office development is for no net change in office space between 2001-2011. The target for Norton Radstock is a 2,000 sq.m increase in office space between 2001-2011.	AMR	Annual
	Industrial Gains Losses and Net	The target for Keynsham is a reduction in industrial floorspace of 3,500 sq.m between 2001-2011. The target for Norton Radstock is a reduction in industrial floorspace of 1,400 sq.m between 2001-2011.	AMR	Annual
	BD4: Total amount of completed floorspace for town centre uses within (i) town centre areas and (ii) the local authority area.	N/A	AMR	Annual

	Number of planning consents for business premises in rural areas (Nat obj 23, Q2, ind 2)	N/A	B&NES Employment permissions Monitoring	Annual
	Percentage of villages meeting the criteria of policy RA1 which contain a shop.	N/A	B&NES – Rural facilities audit	Periodic
	Access to a post office (Nat 2)	N/A	B&NES – Rural facilities audit	Periodic
	Access to food shops (Nat 3)	N/A	B&NES – Rural facilities audit	Periodic
Objective 9: Increase availability of local produce and materials	Number and frequency of farmers' markets	N/A	B&NES	Periodic
Objective 10: Ensure everyone has access to high quality and affordable public transport and promote cycling and walking	Census information for modes of transport to work, school, other activities	<p>Increase the number of bus passenger journeys by 2010/11 based on 2003/04 levels.</p> <p>Increase level of cycling across the JLTP area between 2003/04 and 2010/11.</p> <p>Increase the number of park and ride passenger journeys by 2010/11 based on 2003/04 levels</p> <p>To increase the number of passenger journeys (boardings) on community transport and demand responsive services.</p> <p>(Joint LTP2)</p>	Census / West of England Partnership Joint Local Transport Plan	Every 10 years. Last data set 2001.
Objective 11: Reduce the need and desire to travel by car	Congestion	No increased use of the car up to 2010/11. (Joint LTP2)	West of England Partnership Joint Local Transport Plan	Periodic
	Change in area	Restrict level of	West of England	

	wide road traffic mileage	traffic growth between 2004 and 2010 across the JLTP area. (Joint LTP2)	Partnership Joint Local Transport Plan	
Objective 12: Protect and enhance local distinctiveness	Change to the recognised landscape character areas within the district.		National Countryside Quality Counts www.countryside-quality-counts.org.uk	Periodic
	H6 – Housing Quality – Building for Life Assessments	N/A	AMR	Annual
Objective 13: Protect and enhance the district's historic, environmental and cultural assets	Total number of Listed Buildings	N/A	B&NES	Held on GIS. Annual
	Total number of scheduled monuments	N/A	B&NES	Held on GIS
	Number and area of historic parks and gardens	N/A	B&NES	Held on GIS
	Number and area of conservation areas	N/A	B&NES	Held on GIS
	Number of Listed Buildings, Monuments, Parks and Gardens and Battlefields on the Heritage at Risk Register	N/A	English Heritage website http://risk.english-heritage.org.uk/2010.aspx	Annual
Objective 14: Encourage and protect habitats and biodiversity (taking account of	E2 Change in area of biodiversity importance.	N/A	AMR	Annual

climate change)				
	% of SSSI in "favourable condition"	The Regional Strategy for the South West Environment: sets the target to bring into favourable condition by 2010 95% of all nationally important wildlife sites.	Natural England	Annual
	Change in areas designated for intrinsic environmental value	N/A	AMR	Annual
	Achievement of Biodiversity Action Plan targets (Nat 6)		Biodiversity Action Reporting System website http://www.ukbap-reporting.org.uk/	Not every year. Last reported in 2008. It will be reported again in 2010 and is also due to be reported in 2011.
Objective 15: Reduce land, water, air, light, noise pollution	Annual Mean concentrations of all regulated air pollutants (i.e. benzene, 1,3 butadiene, carbon monoxide, lead, nitrogen dioxide, particles (pm ₁₀), sulphur dioxide)	Member States are required to reduce exposure to PM2.5 in urban areas by an average of 20% by 2020 based on 2010 levels. It obliges them to bring exposure levels below 20 micrograms/m3 by 2015 in these areas. Throughout their territory Member States will need to respect the PM2.5 limit value set at 25.	B&NES	Bi-annual
	Bathing water quality	Water Framework Directive: <ul style="list-style-type: none"> Achievement of good ecological status and good surface water chemical status by 	Environment Agency website. For data specific to Sedgemoor contact Environment Agency Customer Contact Team custswnw@environ-	Annual

		<p>2015; and</p> <ul style="list-style-type: none"> Achievement of good ecological potential and good surface water chemical status for heavily modified water bodies. 	agency.gov.uk or 01278 484813	
	River water quality (chemical, physical and ecological status of water bodies)	Achieve 'good' chemical, physical and ecological status by 2015.	Environment Agency latest River Basin Management Plan, South West River Basin District or contact Environment Agency Customer Contact Team custswnw@environment-agency.gov.uk or 01278 484813	Annual
	Ground water quality	Achieve 'good' quantitative and chemical status by 2015.	Environment Agency latest River Basin Management Plan, South West River Basin District or contact Environment Agency Customer Contact Team custswnw@environment-agency.gov.uk or 01278 484813	Annual
Objective 16: Encourage sustainable construction	Number of properties achieving "very good" and "excellent" BREEAM levels	The intention is for non-residential buildings to be zero carbon by 2019	B&NES	Annual
	Number of dwellings achieving Code for Sustainable Homes Level 3 and above (to be increased to Code level 4 in 2014 and Code level 6 in 2016)	All new homes must be Zero Carbon from 2016.	B&NES	Annual

Objective 17: Ensure the development of sustainable and/or local energy sources and energy infrastructure	Renewable energy generation (MW of energy and MW of heat)	<p>EU Renewable energy Directive: 15% of energy use in the UK to be generated from renewables.</p> <p>Climate Change Act: reduce carbon dioxide emissions by at least 26% by 2020 and 80% by 2050. In the UK 2009 budget, the 2020 target was revised and therefore the current legally binding target is to achieve a carbon emissions reduction of 34% by 2020. This target is likely to be reviewed in forthcoming budgets.</p> <p>The regional target is to generate 35-52 MW of generating capacity in the former Avon area.</p>	AMR	Annual
	Total final energy consumption/ Capita (kWh) for BANES	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Total domestic energy consumption/ household (kWh)	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Total domestic electricity consumption/meter point (kWh)	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Total domestic gas consumption/ meter point (kWh)	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Total Industrial and	N/A	High Level Energy	Annual.

	commercial gas consumption /meter point(kWh)		Indicators, Department of Energy and Climate Change	Last data set is 2007
	Total Industrial and Commercial electricity consumption/ meter point (kWh)	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Total vehicle consumption/ capita (tonnes of fuel)	N/A	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	CO ₂ emissions per capita (tCO ₂)	The district target is to reduce carbon emissions by 30% by 2014.	High Level Energy Indicators, Department of Energy and Climate Change	Annual. Last data set is 2007
	Number of properties achieving "very good" and "excellent" BREEAM levels	The intention is for non-residential buildings to be zero carbon by 2019.	B&NES	Annual
	Number of dwellings achieving Code for Sustainable Homes Level 3 and above (to be increased to Code level 4 in 2014 and Code level 6 in 2016)	All new homes must be Zero Carbon from 2016.	B&NES	Annual
Objective 18: Reduce vulnerability to, and manage flood risk (taking account of climate change)	Numbers of properties affected by fluvial flood events in the last year	N/A	Environment Agency Customer Contact Team custswnw@environment-agency.gov.uk or 01278 484813	Annual
	Number of properties benefiting from flood defences	N/A	Environment Agency Customer Contact Team custswnw@environment-agency.gov.uk or 01278 484813	Annual

	Condition of flood defences	N/A	National Flood and Coastal Defence Database (NFCDD) via Environment Agency Customer Contact Team custswnw@environment-agency.gov.uk or 01278 484813	Annual
	Planning permissions granted contrary to EA advice on flooding or water quality grounds.	N/A	AMR	Annual
Objective 19: Encourage careful and efficient use of natural resources	Number of properties achieving “very good” and “excellent” BREEAM levels	The intention for non-residential buildings to be zero carbon by 2019	B&NES	Annual
	Number of dwellings achieving Code for Sustainable Homes Level 3 and above (to be increased to Code level 4 in 2014 and Code level 6 in 2016)	All new homes must be Zero Carbon from 2016.	B&NES	Annual
	Catchment Abstraction Management Strategies (The Bristol Avon)– areas identified as over abstracted.	N/A	Environment Agency	Brief annual updates issued. Fully updated every 6 years. First round of CAMS completed in 2008.
	BD2: Amount of floorspace by on previously developed land by type (sqm)	N/A	AMR	Annual

	H3: Percentage of new and converted dwellings on previously developed land	N/A	AMR	Annual
Objective 20: Promote waste management accordance with the waste hierarchy (Reduce, Reuse and Recycle)	Tonnage of construction and demolition waste produced and proportion that is recycled / reused.	From Rubbish to Resource, The Regional Waste Strategy: to ensure that by the year 2020 over 45% of waste is recycled and reused and less than 20% of waste produced in the region will be landfilled. In cooperation with 4 district councils (West of England Joint waste Strategy) the aim is to reduce landfill by 75% over the next five years.	Environment Agency	Annual
	Tonnage of hazardous waste produced and proportion that is recycled / reused.	N/A	EA Hazardous Waste Database	Annual
	6b: Amount of municipal waste arising, and managed by management type and the percentage each management type represents of the waste managed	The recycling target in B&NES is 50% in 2009/10.	AMR	Annual
	M2: Production of (i) secondary and (ii) recycled aggregates	N/A	AMR	Annual