

# **Appendix L**

## **Possible Monitoring Indicators**

## Appendix L: Proposed Sustainability Appraisal Monitoring Framework

	New framework objective	New sub-objectives Will the policy/allocation:	SEA Topic	Indicative Indicators to use	
				For Policy Monitoring	For Site Allocations
1	To meet the diverse housing needs of the population in a sustainable way.	<ul style="list-style-type: none"> <li>• Deliver homes to meet the needs of the population in terms of quantity, quality;</li> <li>• Promote improvements to the existing and future housing stock;</li> <li>• Locate sites in areas of known housing need;</li> <li>• Deliver community facilities for the needs of the population;</li> <li>• Deliver pitches required for Gypsies and Travellers and Showpeople.</li> </ul>	Population <ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• NI159: Supply of ready to develop housing sites (Maintain rolling five-year supply of deliverable housing sites)</li> <li>• Core Indicator H1: Plan Period and Housing Targets</li> <li>• Core Indicator H2:               <ul style="list-style-type: none"> <li>• Net additional dwellings (in previous years)</li> <li>• Net additional dwellings (in reporting year)</li> <li>• Net additional dwellings (in future years)</li> </ul> </li> <li>• Core Indicator H3: New and Converted Dwellings – on Previously Developed Land (PDL)</li> <li>• Net additional homes provided by location</li> <li>• Core Indicator H4: Net additional pitches (Gypsy and Traveller)</li> <li>• Housing Mix broken down by 1,2,3 and 4+ beds in the market housing sector; Affordable housing mix broken down by 1,2,3 and 4+ beds</li> <li>• % of new houses completed at:               <ul style="list-style-type: none"> <li>• City Centre – 75dph;</li> <li>• Urban area – 50 dph;</li> <li>• Suburban area (and Haxby) – 40 dph</li> <li>• Rural area – 30 dph</li> </ul> </li> <li>• Average house prices by type</li> </ul>	<ul style="list-style-type: none"> <li>• Not applicable</li> </ul>

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2	<p>Improve the health and well-being of York's population</p>	<ul style="list-style-type: none"> <li>• Avoid locating development where environmental circumstances could negatively impact on people's health;</li> <li>• Improve access to openspace / multi-functional openspace</li> <li>• Promotes a healthier lifestyle though access to leisure opportunities (walking / cycling)</li> <li>• Improves access to healthcare;</li> <li>• Provides or promotes safety and security for residents;</li> <li>• Ensure that land contamination/pollution does not pose unacceptable risks to health.</li> </ul>	<ul style="list-style-type: none"> <li>• Human health</li> </ul>	<ul style="list-style-type: none"> <li>• % of new developments built that are within 400m of a community facility (Primary school, GP or Convenience Store) and within 400m of a bus route with a 15 min frequency</li> <li>• % of new community facilities that are within 400m of a bus route with a 15 min frequency</li> <li>• Loss of Community Facilities</li> <li>• Life expectancy at birth</li> <li>• Infant Mortality Rate</li> <li>• Death rates from respiratory diseases</li> <li>• Percentage of people describing their health as 'good' or 'very good'</li> <li>• Rate of domestic and commercial burglaries;</li> <li>• Percentage reduction in fear of crime statistics from CYC surveys;</li> <li>• Percentage of residents who think where they live in York is a safe place to live;</li> <li>• Reduction in households which have a deficiency to accessible openspace;</li> <li>• Number of parks with Green Flag Award Status.</li> </ul>	<p>Access to:</p> <ul style="list-style-type: none"> <li>• doctors</li> <li>• openspace</li> </ul>
3	<p>Improve education, skills development and training for an effective workforce</p>	<ul style="list-style-type: none"> <li>• Provide good education and training opportunities for all;</li> <li>• Support existing higher and further educational establishments for continued success;</li> <li>• Provide good quality employment opportunities available to all;</li> </ul>	<ul style="list-style-type: none"> <li>• Population</li> </ul>	<ul style="list-style-type: none"> <li>• No of 16 – 18 year olds in education or employment or training</li> <li>• % of the population with GCSEs / NVQs /further education qualifications</li> <li>• Unemployment rate</li> <li>• Percentage of people out of work for over 12 months</li> <li>• Number of JSA claimants</li> <li>• The number of educational facilities which are available for use by the wider community</li> </ul>	<p>(Housing) Access to:</p> <ul style="list-style-type: none"> <li>• nursery provision</li> <li>• primary schools</li> <li>• secondary schools</li> <li>• higher education facilities</li> </ul> <p>(Employment) Access to:</p> <ul style="list-style-type: none"> <li>• nursery provision</li> </ul>

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4	<p>Create jobs and deliver growth of a sustainable and inclusive economy</p>	<ul style="list-style-type: none"> <li>• Help deliver conditions for business success and investment;</li> <li>• Deliver a flexible and relevant workforce for the future;</li> <li>• Deliver and promote stable economic growth;</li> <li>• Enhance the city centre and its opportunities for business and leisure;</li> <li>• Provide the appropriate infrastructure for economic growth;</li> <li>• Support existing employment drivers;</li> <li>• Promote a low carbon economy..</li> </ul>	N/a	<ul style="list-style-type: none"> <li>• BD1: Total amount of additional employment floorspace – by type (gross and net)</li> <li>• BD2: Total amount of employment floorspace on previously developed land (square metres)</li> <li>• Core Indicator BD3: Employment land available by type (in hectares)</li> <li>• BD4: Amount of completed retail, office and leisure development in different locations</li> <li>• Amount of additional employment land (hectares) developed for B1, B2 &amp; B8</li> <li>• % of working age population in employment</li> <li>• Local Indicator: Annual visitor expenditure and % increase on previous monitoring year</li> <li>• Average length of stay of visitors in the City and % increase on the previous monitoring year</li> <li>• Losses of employment land in i) employment areas and ii) local authority area</li> <li>• % growth per annum in tourism earnings in York</li> <li>• <i>Town Centre Health Check Indicators to include:</i> <ul style="list-style-type: none"> <li>○ <i>Diversity of main town centre uses (by number, type and amount of floorspace);</i></li> <li>○ <i>Shopping rents (pattern of movement in Zone A rents within primary shopping areas);</i></li> <li>○ <i>Proportion of vacant street level property and length of time properties have been vacant;</i></li> <li>○ <i>Pedestrian flows (footfall); and</i></li> <li>○ <i>Customer and residents views and behaviour.</i></li> </ul> </li> <li>• Number of VAT registrations / number of VAT registered businesses</li> <li>• Percentage of population who are economically active.</li> <li>• % Increase in employment generated by tourism</li> <li>• Number of knowledge based jobs and % increase on previous monitoring year</li> <li>• Number of ‘green jobs’ and % increase on previous monitoring year</li> <li>• Job density</li> <li>• No. of jobs created per annum.</li> <li>• % increase in no. of jobs on previous monitoring year</li> </ul>	<p>Not applicable at location level assessment but linked to all Transport accessibility given relationship to commuting</p>
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5	Help deliver equality and access to all	<ul style="list-style-type: none"> <li>Address existing imbalances of equality, deprivation and exclusion across the city;</li> <li>Provide accessible services and facilities for the local population;</li> <li>Provide affordable housing to meet demand;</li> <li>Help reduce homelessness;</li> <li>Promote the safety and security for people and/or property.</li> </ul>	N/a	<ul style="list-style-type: none"> <li>Proportion of new homes meeting wheelchair homes standard on sites with 50 or more dwellings</li> <li>Proportion of new homes meeting Lifetime Homes Standard on sites with 15 or more dwellings</li> <li>NI 155: Number of affordable homes delivered (gross)</li> <li>H5: Gross Affordable Housing Completions</li> <li>Affordable housing mix broken down by 1,2,3 and 4+ beds</li> <li>Percentage of schemes delivering affordable housing that meets the target set in the Dynamic Viability Model</li> <li>% of new developments built that are within 400m of a community facility (Primary school, GP or Convenience Store) and within 400m of a bus route with a 15 min frequency</li> <li>% of new community facilities that are within 400m of a bus route with a 15 min frequency</li> <li>Loss of Community Facilities</li> <li>Number of residents participating in ward decisions each year</li> <li>Percentage of people who feel they can influence decision making in their locality.</li> </ul>	<p>Access to:</p> <ul style="list-style-type: none"> <li>non-frequent bus routes</li> <li>frequent bus routes</li> <li>park and ride bus stops</li> <li>railway station by walking</li> <li>railway station by cycling</li> <li>adopted highways</li> <li>Cycle routes</li> </ul> <p>Additional access for Housing sites:</p> <ul style="list-style-type: none"> <li>Neighbourhood parade</li> <li>Supermarket</li> </ul>
6	Reduce the need to travel and deliver a sustainable integrated transport network	<ul style="list-style-type: none"> <li>Deliver development where it is accessible by public transport, walking and cycling to minimise the use of the car;</li> <li>Deliver transport infrastructure which supports sustainable travel options;</li> <li>Promote sustainable forms of travel;</li> <li>Improve congestion.</li> </ul>	<ul style="list-style-type: none"> <li>Air</li> <li>Climatic factors</li> </ul>	<ul style="list-style-type: none"> <li>Delivery of strategic infrastructure schemes identified by target dates (to be monitored through LTP3)</li> <li>Amount of new development within 400 metres walkable distance of a frequent public transport route, local facilities (primary school, GP, convenience store) and within 100m of a cycle route</li> <li><i>Number of developments submitting travel plans;</i></li> <li><i>Length of Public Rights of Way;</i></li> <li><i>New provision of cycle paths or cycle path improvements.</i></li> <li>Congestion: Additional travel delays to be measured against targets (85% by 2016, 80% by 2021 and 78% by 2031).</li> <li></li> </ul>	<p>Access to:</p> <ul style="list-style-type: none"> <li>non-frequent bus routes</li> <li>frequent bus routes</li> <li>park and ride bus stops</li> <li>railway station by walking</li> <li>railway station by cycling</li> <li>adopted highways</li> <li>Cycle routes</li> </ul> <p>Additional access for Housing sites:</p> <ul style="list-style-type: none"> <li>Neighbourhood parade</li> <li>Supermarket</li> </ul> <p>Access to:</p> <ul style="list-style-type: none"> <li>Pedestrian Right of Way (PROW)</li> </ul>

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7	<p>To minimise greenhouse gases that cause climate change and deliver a managed response to its effects</p>	<ul style="list-style-type: none"> <li>• Reduce or mitigate greenhouse gas emissions from all sources;</li> <li>• Plan or implement adaptation measures for the likely effects of climate change;</li> <li>• Provide and develop energy from renewable, low and zero carbon technologies;</li> <li>• Promote sustainable design and building materials that manage the future risks and consequences of climate change;</li> <li>• Adhere to the principles of the energy hierarchy;</li> </ul>	<ul style="list-style-type: none"> <li>• Climatic factors</li> </ul>	<ul style="list-style-type: none"> <li>• Reduction in Ecological Footprint</li> <li>• Reduction in York’s Carbon Footprint</li> <li>• National Indicator 185: CO<sub>2</sub> reduction from local authority operations</li> <li>• National Indicator 186: Per capita reduction in CO<sub>2</sub> emissions in the LA area</li> <li>• National Indicator 188: Planning to adapt</li> <li>• Number of planning applications for major developments that have a Sustainability Statement</li> <li>• No. of new residential developments (10+ dwellings) that meet the Code for Sustainable Homes Level 3*** (or equivalent) up to and including 2013, Code for Sustainable Homes Level 4**** (or equivalent) from 2014, and zero carbon standard from 2016 onwards</li> <li>• Number of new non-residential developments (over 1,000 m<sup>2</sup>) that meet ‘very good’ standards (BREEAM) up to and including 2014, ‘Excellent’ standards (BREEAM) from 2015 and Zero Carbon Standards from 2019 onwards</li> <li>• Number of planning applications for major developments (10+ dwellings/1,000 m+ non-residential) that have a Sustainable Energy Strategy</li> <li>• Number of planning applications for major developments that incorporate on-site renewable energy production to offset at least 10% of predicted carbon emissions</li> <li>• Number of planning applications for major developments that integrate CHP and district/block heating or cooling infrastructure, unless it can be demonstrated</li> <li>• Core Indicator E3: Renewable energy capacity installed by type.</li> </ul>	<p>Linked to all:</p> <ul style="list-style-type: none"> <li>• All Transport accessibility indicators given relationship to trip generation and emissions</li> <li>• All flood risk indicators given its link to managing the effects of climate change</li> <li>• All Green infrastructure indicators given its link to managing the effects of climate change</li> <li>• Air Quality Management Areas given its link to emissions.</li> </ul>
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8	Conserve and enhance green infrastructure, bio-diversity, geodiversity, flora and fauna for high quality and connected natural environment	<ul style="list-style-type: none"> <li>• Protect and enhance international and nationally significant priority species and habitats within SACs, SPAs, RAMSARs and SSSIs ;</li> <li>• Protect and enhance locally important nature conservation sites (SINCs);</li> <li>• Create new areas or site of bio-diversity / geodiversity value;</li> <li>• Improve connectivity of green infrastructure and the natural environment;</li> <li>• Provide opportunities for people to access the natural environment.</li> </ul>	<ul style="list-style-type: none"> <li>• Biodiversity</li> <li>• Flora</li> <li>• Fauna</li> </ul>	<ul style="list-style-type: none"> <li>• NI197: Improved Local Biodiversity – proportion of Local Sites where positive conservation management has been or is being implemented</li> <li>• Core Indicator E2: change in areas and population of biodiversity importance, including: loss and addition of priority habitats and species (by type); and change in areas designated for their intrinsic environmental value including sites of international, national, regional, sub regional or local significance</li> <li>• % of recognised wildlife sites in favourable condition in current Local Biodiversity audit</li> <li>• Condition of RAMSAR, SPA, SAC, SSSI and LNR's;</li> <li>• Number of new nature conservation designation;</li> <li>• Number of parks awarded Green Flag Award status;</li> <li>•</li> </ul>	<p>Distance to/ incorporates:</p> <ul style="list-style-type: none"> <li>• Statutory nature conservation designations;</li> <li>• Regional Green Infrastructure Corridor;</li> <li>• Site of Interest for Nature Conservation (SINC) site;</li> <li>• Area of Local Nature Conservation (LNC) Interest;</li> <li>• Ancient Woodland;</li> <li>• Existing Openspace. District Green Infrastructure Corridor</li> <li>• Local Green Infrastructure Corridor;</li> <li>• Tree Protection orders</li> </ul>
9	Use land resources efficiently and safeguard their quality	<ul style="list-style-type: none"> <li>• Re-use previously developed land;</li> <li>• Prevent pollution contaminating the land and remediate any existing contamination;</li> <li>• Safeguard soil quality, including the most volatile agricultural land and protect and enhance allotments; Safeguard mineral resources and encourage their efficient use</li> </ul>	<ul style="list-style-type: none"> <li>• Soil</li> <li>• Material assets</li> </ul>	<ul style="list-style-type: none"> <li>• NI170: PDL that has been vacant or derelict for more than 5 years</li> <li>• Core Indicator M1: Production of primary won aggregates by mineral planning authority</li> <li>• Core Indicator M2: Production of secondary and recycled aggregates by mineral planning authority</li> <li>• Number of Allotment sites;</li> <li>• Amount of agricultural land used for development.</li> </ul>	<ul style="list-style-type: none"> <li>• Brownfield / Greenfield/ Mixed</li> <li>• Agricultural Land Classification</li> </ul>
10	Improve water efficiency and quality	<ul style="list-style-type: none"> <li>• Conserve water resources and quality;</li> <li>• Improve the quality of rivers and groundwaters;</li> </ul>	<ul style="list-style-type: none"> <li>• Water</li> </ul>	<ul style="list-style-type: none"> <li>• River quality</li> <li>• Number of developments that incorporate water efficiency measures a part of the implementation of Code for Sustainable Homes and BREEAM (linked to climate change)</li> </ul>	Not applicable at location level assessment

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11	Reduce waste generation and increase level of reuse and recycling	<ul style="list-style-type: none"> <li>Promote reduction, re-use, recovery and recycling of waste</li> <li>Promote and increase resource efficiency</li> </ul>	<ul style="list-style-type: none"> <li>Material assets</li> </ul>	<ul style="list-style-type: none"> <li>Core Indicator W1: Capacity of new waste management facilities by waste planning authority;</li> <li>Core Indicator W2: Amount of municipal waste arising and managed by managed type, and the percentage each management type represents of the waste managed;</li> <li>National Indicator 191: Residual Household waste per household (kg);</li> <li>National Indicator 192: Percentage of household waste sent for reuse, recycling and composting;</li> <li>National Indicator 193: Percentage of municipal waste land filled;</li> <li>The number of waste sites that are allocated and subsequently developed within York;</li> <li>% of households resident in York served by kerbside collection of at least one recyclable;</li> <li>% of households in York served by kerbside collection of a least two recyclables.</li> </ul>	Not applicable at location level assessment
12	Improve air quality	<ul style="list-style-type: none"> <li>Reduce all emissions to air from current activities;</li> <li>Minimise and mitigate emissions to air from new development (including reducing transport emissions through low emission technologies and fuels);</li> <li>Support the development of city wide low emission infrastructure;</li> <li>Improve air quality in AQMAs and prevent new designations;</li> <li>Avoid locating development where it could negatively impact on air quality.</li> <li>Avoid locating development in areas of existing poor air quality where it could result in negative impacts on the health of future occupants/users;</li> <li>Promote sustainable and integrated transport network to minimise the use of the car.</li> </ul>	<ul style="list-style-type: none"> <li>Air</li> <li>Human health</li> <li>Climatic Factors</li> </ul>	<ul style="list-style-type: none"> <li>NI185: Council CO<sup>2</sup></li> <li>NI186: CO<sup>2</sup> Emissions</li> <li>NI188: Planning to Adapt to Climate Change</li> <li>Amount of reduction in Annual Mean Nitrogen Dioxide (NO<sub>2</sub>) concentrations</li> <li>Amount of reduction in Annual Mean Particulate (PM<sub>10</sub>) concentrations</li> <li>% above or below legal requirements for NO<sub>2</sub> and PM<sub>10</sub></li> <li>Reduction in emissions to air to be determined through emerging Council's Low Emissions Strategy</li> <li>Number of electric vehicle charging points</li> <li>Number of new developments which incorporate low emissions technologies</li> </ul>	<p>Within/proximity to:</p> <ul style="list-style-type: none"> <li>Air quality management area (AQMA)</li> </ul>



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13	Minimise flood risk and reduce the impact of flooding to people and property in York	<ul style="list-style-type: none"> <li>• Reduce risk of flooding;</li> <li>• Ensure development location and design does not negatively impact on flood risk;</li> <li>• Deliver or incorporate through design sustainable urban drainage systems (SUDs).</li> </ul>	<ul style="list-style-type: none"> <li>• Water</li> <li>• Human health</li> <li>• Climatic factors</li> </ul>	<ul style="list-style-type: none"> <li>• Core Indicator E1: Number of planning permissions granted contrary to Environment Agency advice on flooding and water quality grounds.</li> <li>• Number of developments (brownfield and Greenfield) achieving the targets for run-off rates</li> <li>• % of new dwellings in flood risk zones 2, 3a and 3b</li> <li>• % of new development incorporating SUDS (Sustainable Drainage Systems)</li> </ul>	<p>Within:</p> <ul style="list-style-type: none"> <li>• Flood risk zone 3b</li> <li>• Flood risk zone 3a</li> <li>• Flood risk zone 2</li> </ul>
14	Conserve and enhance York's historic environment, cultural heritage, character and setting	<ul style="list-style-type: none"> <li>• Promote and enhance local culture;</li> <li>• Preserve and enhance designated heritage assets and their setting;</li> <li>• Preserve or enhance those elements which contribute to the special character and setting of the historic city as identified in the Heritage Topic Paper</li> </ul>	<ul style="list-style-type: none"> <li>• Cultural heritage</li> <li>• landscape</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Progress on preparation of characterisation studies for key strategic sites</i></li> <li>• <i>Progress on preparation of Conservation Area Appraisal for the Central Historic Core</i></li> <li>• Progress of the City Centre Area Action Plan to be monitored through the AMR</li> <li>• Number of planning applications referred to English Heritage</li> <li>• Number of planning applications approved despite sustained objection from English Heritage</li> <li>• Number of buildings on the Heritage At Risk Register</li> <li>• Stock of Grade 1, 2 &amp; 2* listed buildings</li> <li>• Number of Scheduled Ancient Monuments and the Number at risk</li> <li>• Number of Conservation Areas in York</li> <li>• % of Conservation Areas with an up to date character appraisal</li> <li>• % of Conservation Areas with published management proposals</li> </ul>	<p>Distance to:</p> <ul style="list-style-type: none"> <li>• Listed Buildings</li> <li>• Scheduled Ancient Monuments</li> <li>• Areas of Archaeological Importance</li> </ul>

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15	Protect and enhance York's natural and built landscape	<ul style="list-style-type: none"> <li>• Preserve and enhance the landscape including areas of landscape value;</li> <li>• Protect and enhance geologically important sites;</li> <li>• Promote high quality design in context with its urban and rural landscape and in line with the "landscape and Setting" within the Heritage Topic Paper</li> </ul>	<ul style="list-style-type: none"> <li>• Cultural heritage</li> <li>• Landscape</li> </ul>	<ul style="list-style-type: none"> <li>• % of population with 20+ha of accessible woodland and semi-natural greenspace within 4k of their homes</li> <li>• % of population with 2ha+ area of accessible woodland and semi-natural greenspace within 500m of their homes</li> <li>• Annual increase in woodland (ha)</li> <li>• Amount of new accessible open space provided as part of residential developments (ha)</li> <li>• Amount of new accessible open space provided in area of deficiency</li> <li>• Open space monitoring in line with PPG17 Study and distances to open space types</li> <li>• Number and extent of recognised green corridors</li> <li>• Percentage of land covered by environmental stewardship agreements;</li> <li>• % of LA covered by relevant landscape character appraisals/ historic character appraisals.</li> <li>• Areas showing change consistent with character area objectives</li> <li>• Area of enclosed garden / greenspace lost to development</li> <li>• Extent of local historic parks and gardens at risk/lost</li> </ul>	<p>Within:</p> <ul style="list-style-type: none"> <li>• <b>an area of Historic Character and setting</b></li> <li>• Conservation Areas</li> <li>• <b>Central Historic Core Character Appraisal Zone</b></li> </ul>
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