

**Construction Stage Monitoring (Note this is informed by the Construction Environment Management Plan and Site Waste Management Plan):**

ET9 Homes		Need to	Nice to	Monitoring method	Units	Notes / comments
ET9-1	Post construction Code assessment	✓		Contractor reporting		Post Completion Assessment will be included in the CFSS assessors appointment. Production will be responsible for collating the necessary information. Post construction report will be issued to Client upon completion.
ET9-2	Post construction air tightness testing meet specified standard	✓		Contractor reporting	Air changes per hour	The scheme will be registered be under the 2010 Building Regulations. Air testing will be undertaken to every dwelling prior to handover (i.e. Post completion). Please note this will be measured in m3 per hour /m2 and not air changes per hour  Air test certificates and as-built SAP's to be provided to Client upon completion
ET9-3	Post construction co-heating tests deliver satisfactory results		✓	Contractor reporting		Co-heating testing to be undertaken as part of 'Bicester Eco-Town Improvement Toolkit' TSB funded element of scheme – 4No. dwellings to be tested on completion.
ET10 Employment		Need to	Nice to	Monitoring method	Units	Notes / comments
ET10-1	Construction related jobs	✓		Contractor reporting	FTE each year	We are aiming to have a minimum of 20% local labour on site. We will monitor this by recording the distance travelled and home postcode within the signing in book on site and report this to the Client at monthly progress meetings
ET10-2	Construction skills strategy implemented	✓		Contractor reporting		
ET10-3	Number of apprenticeships and training placements	✓		Contractor reporting		We will aim to provide apprenticeship training to 5 people, with 2 of these being on site within the first 12 months. WE will have regular meetings with the apprentice and the client to monitor their progress.
ET10-4	Number of local businesses benefitting from construction process		✓	Contractor reporting		A schedule has been developed listing those companies who have registered with the NW Bicester website and those which ones were considered suitable for the project and therefore received a tender enquiry.  The schedule will be continued to be updated post contract award by the Commercial team and presented to the Client (At the monthly Client meetings)
ET10-5	Other local jobs due to construction process eg. Product suppliers, catering services etc		✓	Contractor reporting		The schedule referred to under ET10-4 will be extended to include these types of disciplines

ET11 Transport		Need to	Nice to	Monitoring method	Units	Notes / comments
ET11-1	Construction site travel plan in place and delivered	✓		Contractor reporting		A Construction Traffic Management Plan (CTMP) was prepared and submitted to LPA for approval under planning conditions. CTMP to be adhered to and incorporated in the sub-contractors orders to ensure compliance.  Compliance will be monitored from attendance log data/ID cards issued to each operative and reported to the Client during the monthly progress meetings
ET11-2	Modal share of construction work force	✓		Contractor reporting		Method of travel will be collected from operatives during site inductions. This will be monitored via the ID card scanner installed at the entrance gates. The results will be reported to the Client at monthly progress meetings.
ET11-3	Average commuting distance for construction workers	✓		Contractor reporting	Km	Postcodes will be collected from site operatives during inductions. This will be monitored via the ID card scanner which details workers postcode and distance from site. This is used for site access daily. The results will be reported back to the Client during monthly progress meetings.
ET11-4	Average sourcing distance of construction materials		✓	Contractor reporting	Km	Weighted for different materials by tonnes  This will be collected by WDH staff /Gatesman when deliveries enter the site. This will be reported to the Client at monthly progress meetings.
ET16 Biodiversity		Need to	Nice to	Monitoring method	Units	Notes / comments
ET16-1	Construction Environmental Management Plan delivered	✓		Contractor reporting		A Construction Environmental Plan (CEMP) has been prepared and submitted to LPA for approval under planning conditions.  To ensure compliance, weekly inspections will be carried out as per WDH procedures and reported back to the Client via monthly progress meetings
ET16-2	Out of bounds areas enforced	✓		Contractor reporting		Tree Protection Plan, Ecological Construction Method Statement and Arboricultural Method Statement submitted to LPA for approval under planning conditions. Tree Protection Plan, ECMS and Arb MS adhered to  Required protective fencing to be erected and inspected daily and entered within the weekly site inspections and reported back to the Client via monthly progress meetings where required.

ET16-3	Trans location measures successful	✓		Contractor reporting		Comply with Hedge Translocation plans.  A qualified Arboriculturist will be appointed to inspect hedge translocation works and confirm via a report that these works have been successful.
ET16-4	Key species and habitats successfully protected	✓		Contractor reporting		Requirements included in ECMS submitted to LPA for approval under planning conditions.  Required protective fencing to be erected and inspected daily and enter within the weekly site inspections and reported back to Client at monthly meetings.
<b>ET17 Water</b>		<b>Need to</b>	<b>Nice to</b>	<b>Monitoring method</b>	<b>Units</b>	<b>Notes / comments</b>
ET17-1	Construction related water consumption	✓		Contractor reporting	litres / year	Water meters to be installed and read/inputted into the Environmental Data System.
ET17-7	Water quality in run off streams	✓		Contractor reporting		Water quality in the River Bure and onsite tributary to be monitored in accordance with the ECMS. Samples to be taken upstream and downstream of construction activities on an annual basis.  Results and conclusions to be presented by appointed by Ecologist on an annual basis. Report to be forwarded to Client.
<b>ET19 Waste</b>		<b>Need to</b>	<b>Nice to</b>	<b>Monitoring method</b>	<b>Units</b>	<b>Notes / comments</b>
ET19-1	Assessment of waste management practice	✓		Assessed on basis of indices below		
ET19-2	SWMP in place and delivered	✓		Contractor reporting		Site Waste Mangement Plan to be used as reporting tool  Reporting will take place on a monthly basis through the EKPI report issued by the commercial team as part of our procedures.
ET19-3	Total construction waste (including recycling) as a % of total construction materials bought	✓		Contractor reporting	%	This can be determined from the bill of quantities and the waste reports we receive from the waste management companies.

ET19-4	Total construction waste (including recycling)	✓		Contractor reporting	Tonnes / month	Information will be collected and inputted in to EKPI's. EKPI's to be reported to Client on a monthly basis.
ET19-5	Total construction waste to landfill	✓		Contractor reporting	Tonnes / month	Information will be collected and inputted in to EKPI's. EKPI's to be reported to Client on a monthly basis.
ET19-6	Total hazardous waste	✓		Contractor reporting	Tonnes / month	Information will be collected and inputted in to EKPI's. EKPI's to be reported to Client on a monthly basis.
ET19-7	Breakdown of construction waste recycled	✓		Contractor reporting	Tonnes / month	Waste Management company to provide report on a monthly basis detailing breakdown of recycled waste. Report to be issued to Client upon receipt.
ET19-8	Construction materials reused	✓		Contractor reporting	Tonnes / month	The WDH supply chain will issue waste take back monthly results which will be reported to the Client during monthly progress meetings.
ET19-9	Earth / fill movements on or off site	✓		Contractor reporting	Tonnes / month	This is a legal requirement  BR/LB – Movements on site monitored by site team and the ground worker. Earth movements to be shown on site plan including volumes. Movements off site to be monitored through the Site Waste Management Plan.
<b>ET21 Transition</b>		<b>Need to</b>	<b>Nice to</b>	<b>Monitoring method</b>	<b>Units</b>	<b>Notes / comments</b>
ET21-1	CEEQUAL Award achieved	✓		Contractor reporting		Target Excellent. By Hyder.  Interim and Post-construction to be issued to the Client by Hyder
ET21-2	BREEAM ratings achieved		✓	Contractor reporting		Applicable to the commercial units only, excluding the Energy Centre.  WDH's appointment currently excludes the commercial units
ET21-3	Code for Sustainable Homes assessments achieved	✓		Contractor reporting		CFSH Level 5 Required. Design Stage Assessment and Post Construction Certificate to be provided.

ET21-4	Carbon emissions from construction activities	✓		Contractor reporting	tCO2 /month	Site energy consumption – Electricity and Diesel consumption to be recorded via meters and order receipts. Both will be reported to Client at monthly progress meetings.
ET21-5	Considerate Contractors standard met		✓	Contractor reporting		Register with CCS scheme. Periodic inspections and reports provided by CCS. Reports to be issued to the Client upon receipt.
ET21-6	Environmental reporting (ref CEMP)	✓		Contractor reporting		CEMP submitted to LPA for approval under planning conditions. CEMP to be adhered to.  CEMP to be monitored through weekly inspections and our EKPI reporting. Both will be reported back to the Client through the monthly progress meetings.
ET21-7	Embodied carbon impacts of construction	✓		Contractor reporting	tCO2	Embodied carbon of construction materials to be detailed in sustain report and monitored through live materials schedule which will be reported to the Client at monthly progress meetings.
ET21-8	% Timber products sustainably sourced		✓	Contractor reporting	%	FSC, European PEFC, local or reclaimed as required by WDH sustainable procurement policy  Supply chain to issue 'chain of custody' certificates showing where they source their timber and results reported to the Client through the monthly progress meeting.
ET21-9	Sustainable materials sourcing policy met		✓	Contractor reporting	%	