

## 5. Delivery



### SUSTAINABLE BUILD AND CONSTRUCTION

- Embed environmental sustainability within design and construction stages.
- Work with our contractors through the University's construction frameworks.
- Develop the University's strategy for post occupancy evaluation via the Better Buildings Initiative.

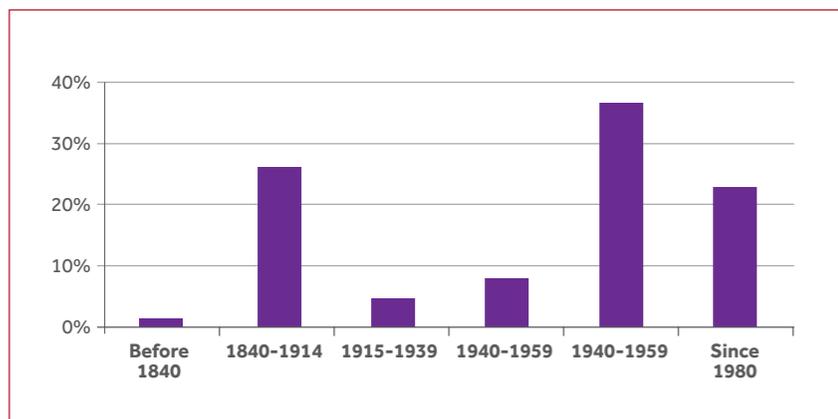
Our estate includes 245 buildings of varying age profile, (Figure 2) over 667 acres/270 hectares across 886,000m<sup>2</sup>. Of these buildings, 58% are academic research related and 42% teaching related. There are 24 listed buildings, including John Rylands Library Deansgate and the Lovell telescope. Buildings include a museum, art gallery, drama theatre, state of the art facilities and nationally important research facilities. The University undertakes annual long term maintenance, planned preventative maintenance and small works projects to maintain and upgrade the estate.



We announced our ambitious £1 billion, 10-year investment to create a world class campus in 2012, to bring the University together onto a single campus and provide some of the world's most modern facilities for teaching and research.

This large scale construction and refurbishment programme presents a unique opportunity to embed sustainability within the estate and increase the positive impacts we have on the environment. We also recognise that the Campus Masterplan presents challenges and as such we will manage any associated negative impacts.

**Figure 2: The University of Manchester age profile of buildings**



The Campus Masterplan will allow us to create a new energy efficient campus; each project will contribute to meeting our overall 40% carbon reduction target. In addition to carbon and energy efficiencies, the Campus Masterplan also presents many opportunities to create a truly environmentally sustainable campus. These include increasing the numbers and quality of facilities for our staff and student cyclists, connecting our researchers to live data from projects, sharing innovations and best practice with our partners and supplying a healthy environment that provides for people and nature.

We are committed to maximising the positive environmental impacts of the Campus Masterplan and the wider estates projects, and have implemented processes to support this. For major projects an Environmental Sustainability Advisor (ESA) is appointed to oversee the implementation of targets within our environmental sustainability project tracker. The ESAs are external consultants, whose role it is to drive sustainability outcomes throughout new building construction and building refurbishment projects and to integrate this with the wider sustainability ambitions of the University. This includes providing teaching and research opportunities, engagement with students and academics and partnerships with industry and stakeholders.

### Sustainable build and construction, targets and baselines

	Baseline	Baseline year	2022 target
All capital projects of a value £5m+ to have a designated Environmental Sustainability Advisor*	N/A	2014/15	100%
90% of projects on track to achieve over 95% of construction phase environmental sustainability targets at post occupancy <sup>11</sup>	N/A	2014/15	90%

\*Projects under this value are required to follow a process for embedding environmental sustainability.

### Sustainable build and construction, key actions and programmes

- **Environmental Sustainability Advisor (ESA) programme:** Continued delivery of the ESA programme, capturing benefits, lessons learnt and sharing best practice.
- **Better Buildings Initiative (BBI):** Implementation of bespoke post occupancy evaluations across the Campus Masterplan.
- **University construction frameworks:** Implementation of processes and procedures to ensure delivery of environmental sustainability targets across the University's construction frameworks.

<sup>11</sup> As per The University of Manchester Partnering Framework Management Plan.