Sustainability, Energy

Sustainable development

East Hemel is planned with long-term goals of being an environmentally and socially positive development. The design team are progressing these goals through the masterplan design. The grid of images summarises the vision and key activities.

Energy

The key features of the energy strategy

35% total area to become publicly accessible open space



Finvestigating options for a stewardshipvehicle, with community participation

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are:

- Energy efficiency: Reducing energy demand through passive design and fabric specifications.
- Zero carbon heat: Supplying non fossil fuel heat using a combination of heat pumps, with a mix of standalone, communal and network solutions.
- Low-carbon electricity: De-carbonising the electricity supply, including through onsite renewable energy generation and sharing opportunities (e.g. solar panels, energy hubs, smart-grids).

Sustainable drainage systems, rainwater harvesting & water efficiency



Homes designed for comfort, resilience, health & wellbeing

nergy design, low-carbon heating & renewable energy

Valley Park cross section illustration

HOUSES



The key features of the water strategy are:

Sustainable drainage: Developing a sustainable drainage strategy that reduces flood risk and diffuses urban pollution, while maximising benefits for biodiversity and public use (e.g. a swimming pond).

• Water management: Embedding water efficiency measures and smart rainwater harvesting options into the design to support water conservation across the neighbourhoods.

