

Letchworth Gardens Quarter

Raised Balcony Decks These will give homes with northfacing gardens a sunny spot to sit, above their parking area

TYPICAL 'URBAN EDGE' CLUSTER

Asymmetric Roofs Maximise sunlight and north facing gardens

Solar Roofs All roofs facing south are provided with integral PV panels to generate power for each home. Excess power generated can be provided to Gardenia's energy network

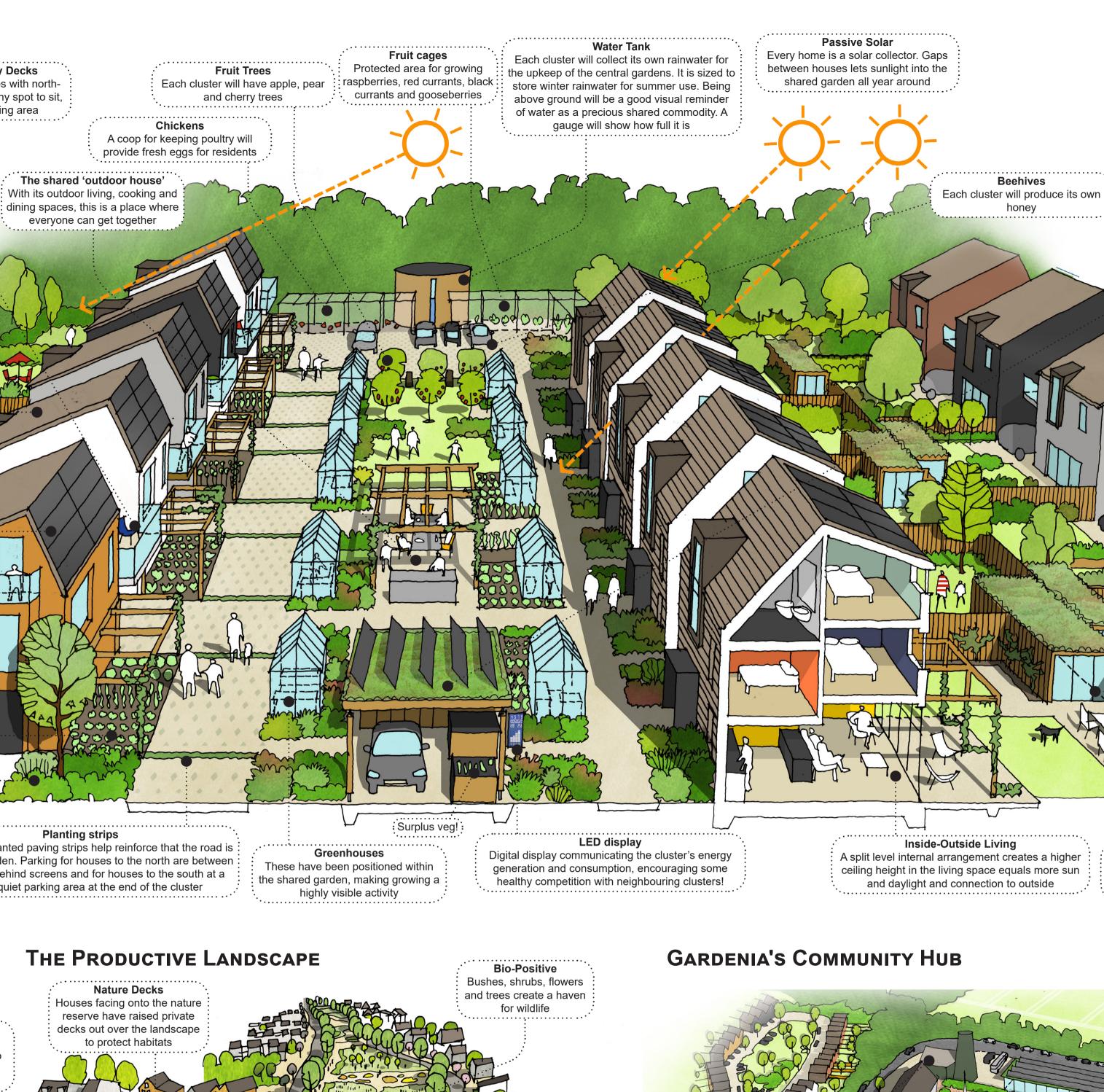
> Productive Landscape Residents are encouraged to utilise all communal and semi-private areas for growing their own food, with pergolas providing support for climbing plants and shading for the houses

> > Biodiversity The shared gardens are filled with : plants that are either good to eat or : good for insects and birds

Planting strips These inset planted paving strips help reinforce that the road is part of the garden. Parking for houses to the north are between ach nome benind screens and for nouses to the south at a secure, quiet parking area at the end of the cluster

Permeable Paving **TYPICAL 'RURAL EDGE' CLUSTER THE PRODUCTIVE LANDSCAPE** The road around the central green area **Bio-Positive** has inset diamonds of planting, making Bushes, shrubs, flowers the whole space feel like a garden and Nature Decks helps rainwater soak into the ground and trees create a haven Houses facing onto the nature for wildlife reserve have raised private decks out over the landscape **Garden Rooms** Flexible opportunities for to protect habitats homes to grow according to need (expanding or aging family requirements) 'Leaf' Houses Porches with Perches Roofs designed to Cluster Gateway A place to enjoy a cup of photosynthesise light Feature trees to mark tea and have a chat with Relaxation Orchards into energy and collect 'Habitat' Houses Formal planting of fruit trees adds the entrance into your neighbours Sculptural forms in the rainwater in a central each cluster The facade is made interest and enjoyment for all, from groundwork allows people to sit 'stem' gutter down into a of integrated bird and admiring the blossoms in spring to large underground tank. and enjoy the landscape (and bat boxes hopefully some sunshine) eating the fruit in autumn This will be used to store winter rainwater for use in Trees **Parkside Homes** Urban Farm-Houses the summer Large trees line Activity These homes enjoy views onto the These semi-detached houses have a barn-The landscape provides opportunities for formal the green spine to green spine and are a mix of larger like character and have growing spaces Share Area and informal activities, including play areas, integrated into their roofs clearly delineate it apartments and built-to-rent homes, A place where residents can tennis courts, a trim trail, communal BBQs, from the roads and semi-detached houses come together and grow paths and cycleways

Integrated Sunspaces These sunny bright spaces connect residents with their gardens and create opportunities for indoor growing



The Event Space A thatched roof distinguishes this as a key communal building and links to the thached roof of the Garden City: Institute building in town

> Energy Centre A robust structure with a flue also on the Garden City axis

Share station

Each cluster will have a car club electric vehicle and ebike. This free-standing solar pavilion will also be home to a secure, shared garden tool locker and a table out front will be a location for surplus fruit and vegetables, and a donation point for no-longer wanted toys and clothes and a communal book swap point. It is also the communal recycling and compost point

Beehives

honey

Wildlife-Friendly Small holes in the bottom of fences allow hedgehogs to move between gardens

Garden Room; to-grow Homes need to be more flexible to meet today's needs. Each Gardenia house will have a self-contained garden room that could be:

- for an elderly parent, who wants independence but to be near family
- for a grown-up child who is not yet able to afford a home of their own
- an extra bedroom for a growing family • to support running a small business
- from home • a b&b room or rented out to a longer-
- term lodger • to provide extra storage space – for
- cycles, gardening tools and everyday stuff that clutters up the home



Vertical Garden A truly interactive sculpture that communicates Gardenia's vital statistics in realtime through light displays, covering energy generation, energy use and water consumption. Its internal core provides access to a viewing deck at the top

Solar Station The roof of the transport hub will collect energy to contribute towards charging its fleet of electric vehicles

Green Roofs Many flat roofs throughout Gardenia are designed as planted roofs to further improve biodiversity and thermal efficiency