

GREENWICH MILLENNIUM VILAGE

London, UK



Size: 70 acres, 2,300 residents

Dates: 2000- ongoing

Team: Architect: EPR architects Ralph Erskine

Description: The Greenwich Millennium Village is a mixed use brownfield redevelopment that aspires to become a leading urban ecovillage

Intent: Promote sustainable living by providing energy efficient apartments in a community that emphasizes alternative modes of transportation

S

Sit+Place

GOALS: (Food) Not defined ; (Habitat+Biodiversity) Not defined ; (Transport) Not defined

STRATEGIES: (Food) Garden plots throughout the residential areas, grocery store included within development ; (Habitat+Biodiversity) 22 acres not developed, ecological park containing lakes and wetland habitat, landscaped courtyards, community gardens ; (Transport) 79% of commutes by public transportation, 0.8 parking spaces/resident, bicycle infrastructure, walking paths, 2.5 bicycle parking spaces per unit, car-sharing vehicles, transit station

W

Water

GOALS: Not defined

STRATEGIES: Rainwater harvesting, water storage provided for homes, rainwater filtered through ecological park and enters the parks pond

E

Energy

GOALS: Code level 4 Sustainable Homes

STRATEGIES: Reduce energy use by 80%, Lifetime Homes Criteria, heat recovery ventilation, meters in units, high performance design and construction, metering of performance

E

Equity

Percentage of affordable units: Not defined
GOALS: Not defined

STRATEGIES: Public access to streets, human scale design, high density residential units, access to public spaces, commercial services, live-work units, community schools, recreation areas

M

Materials

GOALS: (Materials) Code Level 4 for Sustainable Homes ; (Waste) Not defined

STRATEGIES: (Materials) Preference for sustainable materials, high performance materials ; (Waste) Standard practices

SUSTAINABILITY MATRIX

		STANDARD	GOOD	BETTER	LIVING COMMUNITY	REGENERATIVE
S Site+Place	Limits to growth			Built on greyfield of brownfield, developed for density, conserves habitat land		
	Urban Ag			Every resident to have access to community garden, greenhouse, local farm education		
	Habitat Exchange			Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped		
	Human Powered Living			Walkable streets, bicycle infrastructure, public transit links, car sharing, EV charging stations, easy access to services		
W Water	Net Positive Water		Some stormwater reuse or infiltration, grey water recycling, conservation goals			
	Net Positive Energy		2030 standards goal of efficiency, some reduction goals for energy & carbon, some renewable energy, solar PV ready			
E Energy	Civilized Environment		Community has some groups to promote social connections			
	Healthy Neighborhood Design			Access to walking and bike trails connecting amenities, parks, recreation areas		
	Biophilic Environment			Innovative landscaping using native plants, rain gardens, constructed wetlands, access to parks, waterfront, community gardening		
	Resilient Community Connections	Nothing considered/ not reported				
H Health+ Happiness	Living Material Plan		Some material selection standards, passive house standards used			
	Embodied Carbon Footprint	No embodied carbon measuring or offsetting greater than code				
	Net Positive Waste	Standard construction, material selection, & waste collection				
	Human Scale and Humane Places			Project is designed to create human-scaled places, promotes culture & interaction		
M Materials	Universal Access to Nature and Place			Access to parks, innovative landscaping, promotes sense of place, community agriculture, daylighting for buildings		
	Universal Access to Community Services		Some services and community centers in development accessible by bike or walking			
	Equitable Investment	No contribution to charity				
E Equity	Beauty and Spirit					
	Inspiration and Education		Some education on the developments attributes, some opportunities for community events			
B Beauty						

SOURCES:

<http://www.gmv.london/>
<http://www.countryside-properties.com/new-homes/all-developments/new-home-developments/london/greenwich-millennium-village/>
https://www.itdp.org/wp-content/uploads/2014/07/18.-092211_ITDP_NED_GMV.pdf



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