

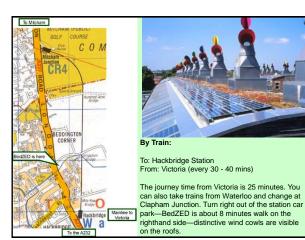




# BedZED

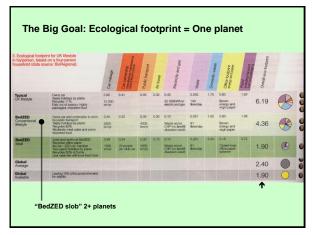
BedZED is a mixed development urban village for The Peabody Trust. On a brownfield wasteland site in the London Borough of Sutton, the development provides 82 dwellings in a mixture of flats, maisonettes, and town houses, plus approximately 2,500 m² of workspace/office and community accommodation including a health centre, nursery, organic café/shop, and sports clubhouse.



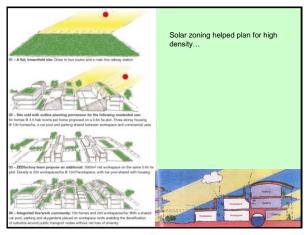




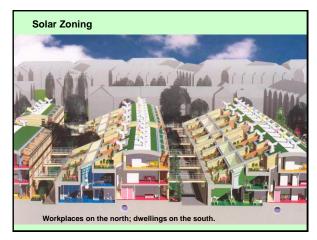




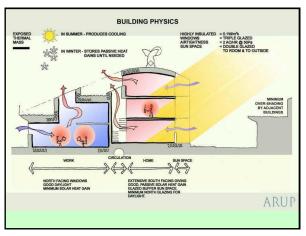




















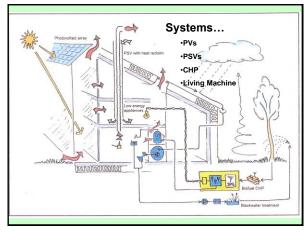


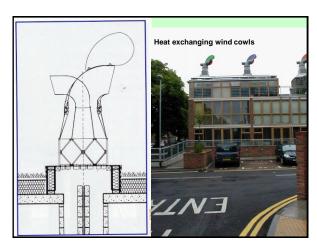










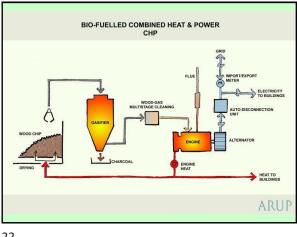






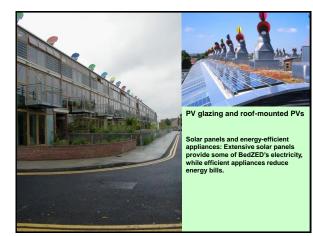










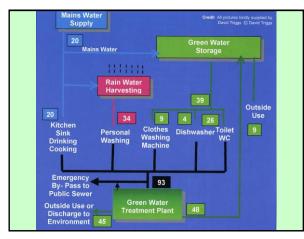








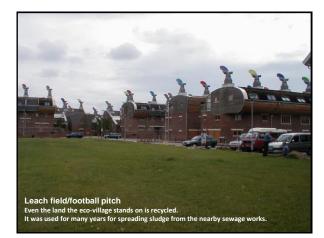




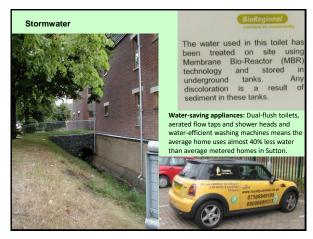




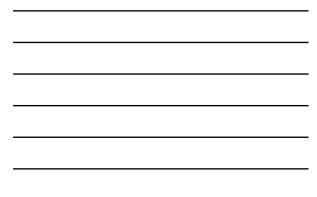


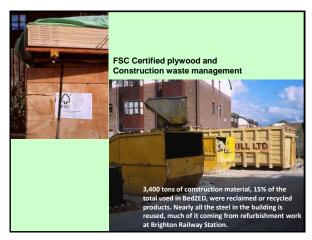


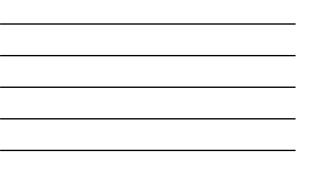












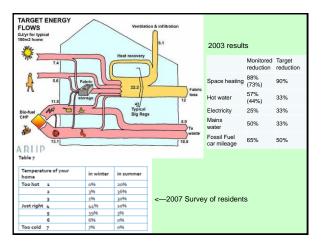


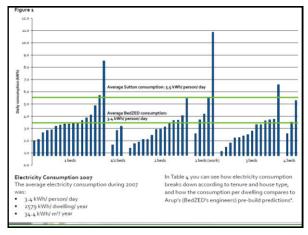








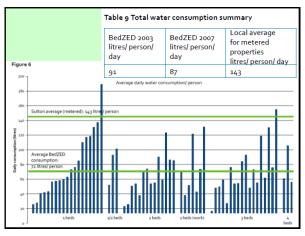


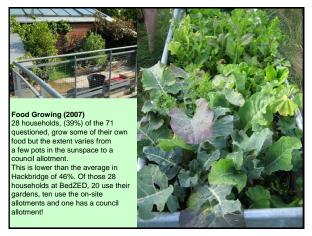




Total energy consumption and CO2 emissions/ m² (residential) Table 6					Electricity imported kWh	Electricty exported kWh	Net grid electricity consumed kWh	
		BedZED 2007 <sup>4</sup>	BedZED 2007 if CHP in operation <sup>5</sup>	UK Average (based on dwellings built in 2002)	May-o6 Jun-o6 Jul-o6 Aug-o6	12,312.87 14,423.06 14,897.27 21,436.51	725.95 2,627.71 2,558.72 538.41	11,586.92 11,795-35 12,338.55 20,898.1
					Sep-o6 Oct-o6	22,742.4	273.95	22,468.45
Heating & hot	kWh /m²/yr	48.0	48.0	231.8	Nov-o6	14,903.52 124,831.14	11.96 6,979.74	14,891.56
water	CO <sub>1</sub> /m²/yr	9-3	1.2	45	12 month equivalent	249,662.28	13,959.48	235,702.8
Electrical	kWh /m²/yr	34-4	34-4	45-5		ecture: Advanced E ED lessons, Simon		
load	CO <sub>2</sub> /m²/yr	10.6	-8.9 18.4		-			
Total energy	kWh/ m²/yr	82.4	82.4	275-3	A	4	2	
use	CO_/ m²/yr	19.9	-7.7	63.3	-	TRACK TRACK		







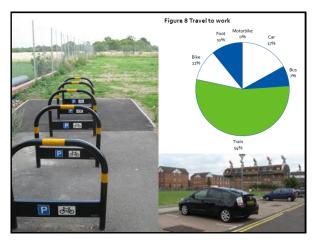






ble 10					
2007	Waste audits	Waste audits			
Waste stream	Kg/ household/ week	Kg/ person/ week	% composition (weight)	% composition (volume)	% households using the bin
mix dry (cans/ fabric / plastic/ card/ paper)	2.4	1.2	30%		90%
green glass	1.0	0.7	12%		80%
brown glass	0.2	0.1	296	7	72%
clear glass	0.4	0.2	5%	7	82%
white paper	0.0	0.0	0%		45%
Total recycling	4.0	2.2	50%	37%	90%
Compost	0.6	0.3	10%	7%	31%
Landfill	3-5	2.0	40%	56%	94%
Total	8.1	4-5	100%	100%	n/a







## Summary of likes

#### Most answers fell into the following categories (shown in order of frequency and number of interviewees who mentioned it):

- BedZED community (32)
- Bed2EU community (32)
   Architecture/ design (28)
   Sustainability (21)
   Wellbeing (feeling of space, light, quiet, health...) (19)
   Garden and sunspace (13)
   Cost (5)
   Location (5)
   Other (imigroupper medemility, ) (4)

- Other (uniqueness, modernity...) (4) Facilities (community centre, car club, showers...) (3)
  Size (3)

### Summary of dislikes Most answers fell into the following categories

(shown in order of frequency and number of interviewees who mentioned it):

- Location (15) · Lack of wellbeing (temperature, noise...)
- (14)
  Things not working (CHP, hot water, repairs needed...) (13)
  Management (11)
- Size (9)
  Nothing (8)
- Crime/ fear of crime (7)
- Parking (6)
   BedZED community (5)
- Design (5)
   Intrusion from visitors (3)
- Sustainability (2)

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# BedZED's performance 2015 - the facts and figures BedZED's residents enjoy significant savings in their energy and water bills, and the development as a whole offers big reductions in carbon dioxide emissions compared to conventional UK housing. Between 2012 and 2015, BedZED's annual gas consumption was 36% lower than a typical conventional development in Sutton, London of the same size and mix (100 homes plus office, college and community space).

Its annual electricity consumption during that period was 27% less. Consequently, we estimate that BedZED's greenhouse gas emissions (tonnes of carbon dioxide equivalent) from heating and electricity use were 32% less than from an equivalent conventional development during that four-year period.

