APPENDIX 7

Estimated loads Cadamstown Project

Standard figures for a building 10-30% below part L Building regulations.

	Space Heating	DHW instantaneous	DHW 4000 l storage	Electrical load Peak	low
	kW	kW	kW	kW	kW
Hotel	107	270	20	52	26
Hostel	47.3	250	19	14	7
Business Centre	15.3	12	n.a.	8	2
Health Centre	125	375	28	35	15
Houses	307	n.a.	n.a.	128	51

Note:

Table is based on the assumptions: 50 Guest hotel, 50 Guest hostel.

Water consumptions as per CIBSE Guide G, tables G2.10 & G2.11

Domestic Hot Water (DHW), figures are for

Energy consumptions

140W/m2 health centre and 50W/m2 for the houses.

If space heating is provided for

Space heating can be assumed

If low energy - high standard is achieved:

	Space Heating	Space Heating	DHW generation
	W/m2	kW	kW
Hotel	30	42.8	20
Hostel	30	19	19
Business Centre	30	6.6	n.a.
Health Centre	70	62.5	28
Houses	25	154	54 (36x1.5)

In order to reduce the energy

DHW is provided by calorifiers and