

Energy Consumption Analysis

Project Description:	Hermitage Lane	
Project Number:	9401	A9
SAP Model Reference:	9401_04	

Prep By	IS	11.11.20
Chkd By	ZA	11.11.20
Appr By	GMW	11.11.20

Prepared By:

Prepared For:


Annual Regulated Energy Consumption per unit (kWh p.a.)						
Flat	Space Heating	Hot Water	Aux. Energy	Lighting	Energy production by PVs	
Plot 1	1,686	2,110	211	241	510	
Plot 2	1,914	2,322	275	331	683	
Plot 3	1,496	2,176	228	268	568	
Plot 4	1,660	2,246	249	301	618	
Plot 5	1,907	2,366	290	333	725	
Plot 6	2,396	2,418	313	344	782	
Plot 7	1,812	2,277	260	315	642	
Plot 8	1,505	2,386	324	342	749	
Plot 9	1,753	2,134	218	251	527	
Plot 10	1,988	2,143	223	254	535	
Plot 11	756	2,109	202	241	510	
Plot 12	1,004	2,109	205	241	510	
Plot 13	1,383	2,109	208	241	510	
Plot 14	1,412	2,116	210	244	519	
Plot 15	1,918	2,381	326	338	741	
Plot 16	1,281	2,118	210	237	519	
Plot 17	1,253	2,162	222	262	552	
Plot 18	687	2,113	203	243	519	
Plot 19	1,866	2,492	378	370	873	
Plot 20	1,708	2,356	284	328	716	
Plot 21	907	2,277	251	315	642	
Plot 22	1,106	2,386	320	332	749	
Plot 23	1,749	2,448	353	354	815	
Plot 24	643	2,109	201	241	510	
Plot 25	714	2,109	202	241	510	
Plot 26	754	2,116	204	244	519	
Plot 27	1,088	2,381	318	338	741	
Plot 28	782	2,118	205	237	519	
Plot 29	612	2,162	215	262	552	
Plot 30	677	2,113	203	243	519	
Plot 31	1,684	2,492	376	370	873	
Plot 32	1,004	2,356	277	328	716	
Plot 33	943	2,277	252	315	642	
Plot 34	1,641	2,386	326	332	749	
Plot 35	3,086	2,448	362	354	815	
Plot 36	1,079	2,109	205	241	510	
Plot 37	1,191	2,109	206	241	510	
Plot 38	1,411	2,116	209	244	519	
Plot 39	2,534	2,381	328	338	741	
Plot 40	1,823	2,118	212	237	519	
Plot 41	647	2,162	216	262	552	
Plot 42	706	2,113	203	243	519	
Plot 43	1,740	2,492	377	370	873	
Plot 44	1,018	2,356	278	328	716	
Plot 45	1,714	2,277	259	318	642	
Plot 46	1,693	2,114	212	237	519	
Plot 47	2,597	2,349	320	315	708	
Plot 48	1,783	2,113	213	245	519	
Plot 49	2,236	2,402	337	339	766	
Plot 50	1,327	2,113	209	243	519	
Plot 51	2,986	2,492	388	370	873	
Plot 52	2,032	2,356	246	328	716	
Total	77,289	116,989	13,519	15,127	32,901	

Community Boiler + 40kWp PVs

Carbon Dioxide Emissions for domestic buildings (Tonnes CO2 per annum)		
	Regulated	Unregulated
Baseline: Part L 2013 of the Building Regulations Compliant Development	62	68
After energy demand reduction	57	68
After heat network / CHP	57	68
After renewable energy	40	68

Regulated domestic carbon dioxide savings		
	(Tonnes CO2/annum)	(%)
Savings from energy demand reduction	5	8%
Savings from heat network / CHP	-	-
Savings from renewable energy	17	28%
Cumulative on site savings	22	35%
Annual savings from off-set payment	40	-
(Tonnes CO2/annum)		
Cumulative savings for off-set payment	1,193	-
Cash in-lieu contribution (£)	71,609	-

Total Energy Consumption (Boiler) = 194,278 KWh/annum