One Planet Development Ecological Footprint Calculator

Conversion factors provided by SEI

STOCKHOLM ENVIRONMENT INSTITUTE

Current Per Capita Ecological Footprint	#DIV/0!	gha
Estimated Per Capita Ecological Footprint on First Habitation	1.95	gha
Year Three & Year Five review Per Capita Ecological Footprint	#DIV/0!	gha
Future estimated Per Capita Ecological Footprint	1.20	gha

Input ref.	Data entry sheet * It is recommended you enter current household figures as a baseline to guide your estimates	Existing Household Actual Figures Pre Application (not required on application)	Estimated Household Figures on First Habitation Required on Application	Use For Year Three & Year Five Review Actual Figures (not required on application)	Estimated Household Figures at Year Five Required on application
1	Number of people in Household		2		2
2	Household annual income	per year		per year	
	ENERGY				
3	On Grid electricity	kWh	3000kWh	kWh	3000kWh
4	Off grid electricity: solar PV	kWh	1800kWh	kWh	1800kWh
5	Off grid electricity: wind turbine	kWh	0kWh	kWh	0kWh
6	Gas (includes bottled gas) - 1kg LPG = 12.77 kWh	kWh	0kWh	kWh	0kWh
7	Biomass - logs - 1 tonne (see notes) = 3869 kWh	kWh	1160.7kWh	kWh	1160.7kWh
8	Coal - 1 kg = 8.05 kWh	kWh	0kWh	kWh	0kWh
9	Oil - 1 litre = 10 kWh	kWh	0kWh	kWh	0kWh
	HOUSING & INFRASTRUCTURE				
10	Rent or mortgage expenditure	per year	7200 per year	per year	7200 per year
11	Capital Cost - renewable energy equipment /water plant - spread over 15 years	per year	166.7 per year	per year	166.7 per year
12	Capital Cost - Costs of home construction - spread over 30 years	per year	266.7 per year	per year	266.7 per year
13	Maintenance and repair of the dwelling	per year	500 per year	per year	500 per year
14	Goods & services for household maintenance	per year	200 per year	per year	200 per year
15	Water supply and miscellaneous dwelling services	per year	200 per year	per year	200 per year
	TRAVEL & TRANSPORTATION				
16	Purchase of vehicles	per year	500 per year	per year	500 per year
17	Operation of personal transport equipment (maintenance, services etc)	per year	1760 per year	per year	1400 per year
18	Railway transport	per year	0 per year	per year	0 per year
19	Road transport (buses and taxis)	per year	0 per year	per year	0 per year
20	Air transport	per year	0 per year	per year	0 per year
21	Water transport	per year	0 per year	per year	0 per year
22	Distance travelled by private car	km per year	9296 km per year	km per year	6174 km per year
23	Domestic Private vehicle petrol use	litres per year	0 litres per year	litres per year	0 litres per year
24	Domestic Private vehicle diesel use	litres per year	743 litres per year	litres per year	494 litres per year
25	Domestic Private vehicle 100% biodiesel use	litres per year	0 litres per year	litres per year	0 litres per year
26	Domestic Private vehicle reclaimed veg oil use	litres per year	0 litres per year	litres per year	0 litres per year
	FOOD (shop purchased)				
27	Meat and meat products (excl. poultry)	per year	1068 per year	per year	0 per year
28	Poultry meat and poultry meat products	per year	1544 per year	per year	0 per year
29	Fish and fish products from catch	per year	240 per year	per year	240 per year
30	Fruit and vegetables	per year	3180 per year	per year	1422 per year
31	Vegetable and animal oils and fats	per year	120 per year	per year	120 per year
32	Dairy products	per year	1920 per year	per year	1920 per year
33	Grain mill products; starches and starch products	per year	900 per year	per year	900 per year
34	Bread; rusks and biscuits; pastry goods and cakes	per year	336 per year	per year	336 per year
35	Cocoa; chocolate and sugar confectionery	per year	1452 per year	per year	1452 per year
36	Other food products (incl. sugar)	per year	827 per year	per year	827 per year
37	Non-alcoholic beverages	per year	120 per year	per year	120 per year
38	Alcoholic beverages	per year	0 per year	per year	0 per year
39	Eating out and take away foods	per year	576 per year	per year	576 per year
	FOOD (home grown) enter only figures for your domestic production				
39	Compost purchased	per year	125 per year	per year	125 per year
40	Inorganic fertiliser purchased	per year	10 per year	per year	10 per year
41	Gardening/ horticultural equipment purchased	per year	150 per year	per year	150 per year
42	Seeds	per year	60 per year	per year	30 per year
43	Size of plot (include domestic buildings and land used to grow only your family's foods)	m2	9400 m2	m2	9400 m2
44	Animal feeds bought & fed to livestock for home consumption	per year	410 per year	per year	410 per year
	CONSUMABLE GOODS (shop purchased)				
45	Tobacco	per year	0 per year	per year	0 per year
46	Clothing	per year	200 per year	per year	100 per year
47	2nd hand clothing	per year	500 per year	per year	300 per year
48	Footwear	per year	100 per year	per year	50 per year
49	2nd hand footwear	per year	20 per year	per year	100 per year
50	Furniture; furnishings; carpets etc.	per year	500 per year	per year	0 per year
51	2nd hand furniture	per year	1000 per year	per year	200 per year
52	Household textiles	per year	300 per year	per year	120 per year
53	Household appliances	per year	400 per year	per year	100 per year
54	Glassware; tableware & household utensils	per year	50 per year	per year	50 per year
55	2nd hand household utensils etc	per year	50 per year	per year	0 per year
56	Tools and equipment for house & garden	per year	100 per year	per year	218 per year
57	2nd hand tools and equipment for house & garden	per year	30 per year	per year	50 per year
58	Medical products; appliances & equipment	per year	200 per year	per year	200 per year
59	Telephone & telefax equipment	per year	0 per year	per year	0 per year
60	Audio-visual; photo & info. processing equipment	per year	0 per year	per year	118 per year
61	Other major durables for recreation & culture	per year	0 per year	per year	228 per year
62	Other recreational equipment etc.	per year	50 per year	per year	50 per year
63	Newspapers; books & stationery	per year	100 per year	per year	100 per year
64	Personal care	per year	340 per year	per year	340 per year
65	Personal effects not included elsewhere	per year	700 per year	per year	700 per year
	Services -				
67	Postal services	per year	30 per year	per year	30 per year
68	Telephone & telefax services	per year	420 per year	per year	420 per year
69	Education	per year	600 per year	per year	600 per year
70	Accommodation services	per year	150 per year	per year	150 per year
71	Insurance	per year	450 per year	per year	450 per year
72	Financial services not included elsewhere	per year	100 per year	per year	50 per year
73	Other services not included elsewhere	per year	300 per year	per year	300 per year
74	UK residents abroad (UK holiday makers)	per year	0 per year	per year	0 per year
	All other transactions in year not accounted for above -				
75	Savings in year	in year		in year	
76	All fuel costs in year, inc. vehicle fuel, gas, elect. etc	per year		per year	
	Verification against annual income. If +/- 5% of income then figures OK	1		1	
	If not then you need to check the figures you have entered.				

CAPITAL INVESTMENT AND SERVICES	from Wales's per capita footprint
Public administration (central)	0.14
Education (central)	0.00
Health & wet services (central)	0.13
Social work activities (central)	0.00
Recreational services (central)	0.01
Public administration (local)	0.06
Education (local)	0.06
Health & wet services (local)	0.00
Social work activities (local)	0.05
Sanitary services (local)	0.01
Recreational services (local)	0.01
Capital Investment Public Services	0.06
SUB TOTAL	0.53
Capital Investment Private Services	0.06
Capital Investment Transport	0.04
Capital Investment Consumables	0.00
Capital Investment Food	0.06
Capital Investment Housing	0.15
Other & capital investment in National Footprint accounts	0.08
SUB TOTAL	0.41
TOTAL	0.93

Breakdown of the Ecological Footprint

	Existing Household Actual Figures Pre Application
ENERGY	
On grid electricity; gas & other fuels distribution	0.0000
Off grid electricity: solar PV	0.0000
Off grid electricity: wind turbine	0.0000
Gas - 1kg LPG = 12.77 kWh	0.0000
Biomass - logs - 1 tonne (see notes) = 3869 kWh	0.0000
Coal - 1 kg = 8.05 kWh	0.0000
Oil - 1 litre = 10 kWh	0.0000
HOUSING	
Rent or mortgage expenditure	0.0000
Capital Cost - renewable energy equipment /water plant - spread over 15 years	0.0000
Capital Cost - Costs of home construction - spread over 30 years	0.0000
Maintenance and repair of the dwelling	0.0000
Goods & services for household maintenance	0.0000
Water supply and miscellaneous dwelling services	0.0000
TRANSPORT	
Purchase of vehicles	0.0000
Operation of personal transport equipment (maintenance, services etc)	0.0000
Railway transport	0.0000
Road transport (buses and taxis)	0.0000
Air transport	0.0000
Water transport	0.0000
Distance traveled by private car	0.0000
Domestic Private vehicle petrol use	0.0000
Domestic Private vehicle diesel use	0.0000
Domestic Private vehicle 100% biodiesel use	0.0000
Domestic Private vehicle reclaimed veg oil use	0.0000
FOOD (shop purchased)	
Meat and meat products (excl. poultry)	0.0000
Poultry meat and poultry meat products	0.0000
Wild fish and fish products from catch	0.0000
Fruit and vegetables	0.0000
Vegetable and animal oils and fats	0.0000
Dairy products	0.0000
Grain mill products; starches and starch products	0.0000
Bread; rusks and biscuits; pastry goods and cakes	0.0000
Cocoa; chocolate and sugar confectionery	0.0000
Other food products (incl. sugar)	0.0000
Non-alcoholic beverages	0.0000
Alcoholic beverages	0.0000
Eating out and take aways	0.0000

FOOD (home grown)	
Compost purchased	0.0000
Inorganic fertilizer purchased	0.0000
Gardening/ horticultural equipment purchased	0.0000
Seeds	0.0000
Size of plot (include domestic buildings and only land used to grow your family's foods)	0.0000
Animal feeds bought & fed to livestock for home consumption	0.0000
CONSUMABLES (shop purchased)	
Tobacco	0.0000
Clothing	0.0000
Charity shop/2nd hand clothing	0.0000
Footwear	0.0000
Charity shop/2nd hand footwear	0.0000
Furniture; furnishings; carpets etc.	0.0000
Charity shop/2nd hand furniture	0.0000
Household textiles	0.0000
Household appliances	0.0000
Glassware; tableware & household utensils	0.0000
Charity shop/2nd hand household utensils etc	0.0000
Tools and equipment for house & garden	0.0000
Charity shop/2nd hand tools and equipment for house & garden	0.0000
Medical products; appliances & equipment	0.0000
Telephone & telefax equipment	0.0000
Audio-visual; photo & info. processing equipment	0.0000
Other major durables for recreation & culture	0.0000
Other recreational equipment etc.	0.0000
Newspapers; books & stationery	0.0000
Personal care	0.0000
Personal effects nec	0.0000
Services -	
Postal services	0.0000
Telephone & telefax services	0.0000
Education	0.0000
Accommodation services	0.0000
Insurance	0.0000
Financial services nec	0.0000
Other services nec	0.0000
UK residents abroad (UK holiday makers)	0.0000
Public Services and Government	0.5145
Capital Investment	0.4053
	#DIV/0!

ld	Estimated Household Figures on First Habitation Required on Application	Year Three & Year Five Review Actual Figures	Estimated Household Figures at Year Five Required on application
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.0001	0.0000	0.0001
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.1598	0.0000	0.1598
	0.2504	0.0000	0.2504
	0.2832	0.0000	0.2832
	0.0784	0.0000	0.0784
	0.0088	0.0000	0.0088
	0.0244	0.0000	0.0244
	0.0896	0.0000	0.0896
	0.1891	0.0000	0.1508
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.1199	0.0000	0.0797
	0.0000	0.0000	0.0000
	0.6178	0.0000	0.4108
	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000
	0.8649	0.0000	0.0000
	0.8434	0.0000	0.0000
	0.1266	0.0000	0.1266
	5.5323	0.0000	2.3291
	0.1686	0.0000	0.1686
	0.1471	0.0000	0.1471
	1.1908	0.0000	1.1908
	0.0800	0.0000	0.0800
	0.0328	0.0000	0.0328
	0.2526	0.0000	0.2526
	0.0391	0.0000	0.0391
	0.0000	0.0000	0.0000
	0.1119	0.0000	0.1119

0.0243	0.0000	0.0243
0.0055	0.0000	0.0055
0.0156	0.0000	0.0156
0.0353	0.0000	0.0177
0.7797	0.0000	0.9513
0.5425	0.0000	0.5425
0.0000	0.0000	0.0000
0.0199	0.0000	0.0099
0.0248	0.0000	0.0149
0.0092	0.0000	0.0046
0.0009	0.0000	0.0046
0.0762	0.0000	0.0000
0.0762	0.0000	0.0152
0.0377	0.0000	0.0015
0.0464	0.0000	0.0116
0.0070	0.0000	0.0070
0.0035	0.0000	0.0000
0.0156	0.0000	0.0033
0.0023	0.0000	0.0039
0.0198	0.0000	0.0198
0.0000	0.0000	0.0000
0.0000	0.0000	0.0011
0.0000	0.0000	0.0047
0.0294	0.0000	0.0294
0.0118	0.0000	0.0118
0.0361	0.0000	0.0361
0.0889	0.0000	0.0889
0.0028	0.0000	0.0028
0.0288	0.0000	0.0288
0.0394	0.0000	0.0394
0.0292	0.0000	0.0292
0.0337	0.0000	0.0337
0.0040	0.0000	0.0020
0.0215	0.0000	0.0215
0.0000	0.0000	0.0000
0.2572	0.2572	0.2572
0.1258	0.1258	0.1258
1.95	**#DIV/0!**	**1.20**