

## Appendix 1 – Questionnaires

### An opportunity to make a difference to climate change.....

Are you worried about global warming? Do you wish you could do more to reduce your personal impact on our future climate?

Transport is the UK's fastest growing source of carbon dioxide, the main greenhouse gas. The two main contributors are private cars and air travel and, for most people, use of their car and the occasional flight abroad will be their biggest contribution to climate change.

Most of us can do something to reduce the amount of car driving or air travel we do, but we still end up doing a certain amount of both. Glasu, the Leader+ group for Powys, have commissioned a feasibility study into setting up a scheme where individuals can pay into a fund to offset the carbon emitted during travel.

Here's how it would work.....

Individuals who opt into the scheme tell us how many miles they have travelled by car and plane. We calculate how much they would need to pay to offset the carbon emitted and, if they feel able, they pay the money into the fund. The money is used to invest in energy efficiency measures and renewable energy systems in the local area, for example loft and cavity wall insulation for householders, or a new wood heating system for the local school. The investment would guarantee to save at least enough carbon dioxide in its lifetime to offset the emissions generated.

The scheme would also provide information on more sustainable travel options, such as trains and buses, which may make it easier for you to opt for a lower impact means of transport more often.

For the project to have a significant impact we need the support of a large number of local individuals, businesses and organisations.

Please could you complete the attached questionnaire as fully as possible to provide us with an indication of the local support for such a scheme.

**horne**  
energy consultancy

adding value to  
local products  
**glasu**  
ychwanegu gwerth  
at gynnyrch lleol

  
**Powys**



1. Would you be interested in supporting such a scheme in principle?

Yes  No

2. Would you partake in the scheme to completely offset emissions generated by travel at the following estimated levels?

Yes  No

**Car travel:**

1 person per car

2 – 3 pence per mile  
(depending on engine size)

**Air travel:**

Short European flight  
(e.g. 1000 miles each way)

£55

Longer return flight  
(e.g. 5000 miles each way)

£350

3. If not, would you support a scheme that offsets only some emissions, charged at lower rates?

Yes  No

4. Is it more likely that you would support a scheme that invested in carbon saving activities:

i. Locally

ii. Elsewhere in the world

5. Would you support the scheme if some of the funds generated were used to support sustainable travel options?

Yes  No

6. Do you have any comments, suggestions or questions about such a scheme?

Could you give an estimate of your annual car mileage?  
Less 1000    1000-5000    5000-10,000    10,000- 20,000    20,000 +

How many flights would you expect to make in the next five years?  
European .....    Long haul.....

Many thanks for taking the time to provide us with your answers and thoughts.  
Please return the completed form in the enclosed envelope.

If you are involved in a company or organisation that might be interested in  
contributing at a corporate level, we would be interested to hear from you.

If you would like to be kept informed of progress with the scheme please  
provide your contact details.

Name.....

Address.....

.....

.....

.....

E-mail.....

Thank you.

Summary of responses from EcoDyfi members:

In principle?	At these amounts?	At lower amounts?	Spent locally?	Sust travel?	Car miles	Euro flights	Long haul	Comments
y	y		y	y				Good luck
y	y		y	y	1	1	0	Don't know if individuals or organisation would pay
y	n	y	b	y	2	15	8	He flies to Africa to help people there reduce their transport needs
y	m	y	b	y	4	7.5	7.5	Why so much more expensive than Climate Care/ Would like to support local stuff.
y	y	y	y	y	2	2	0	Could be run as blind scheme, where people receive bills for info but don't have to pay.
y	n	y	y	y	1	2	0	How administered?
y	n	y	y	y	4	1	1	Need to lobby for better public transport and more commitment from commercial sector and PCC
y	m			y	5	2.5	0	Need convincing that CO2 really being saved. Emphasis on reducing emissions in the first place.
y	y	y	y	y				Good to fund local stuff, offsetting generally promoted misleadingly which should be avoided here, support for local transport, impact on local businesses should be considered.
y	n	y	b		3	10	1	
y	y		y	y	3	5	3	Would like a say in spending, prefers EE to RE (especially large scale)
y	m	y	n	m	4	3	7	Best hits are clean energy projects in developing world, but admits vested interest. Cost of scheme is not main issue.
y	n	y	y	y	4	5	3	Motivated people likely to be doing good stuff already
y	y		y	y	4	0	0	Car sticker, sheet of practical hints, lobby government to reduce road tac for people who contribute.
y	n	y	b	n	4	5	3	Car engine size too crude, African flights are for charitable work, paying to offset would reduce money for beneficiaries.
n								Saving all cash for own EE improvements, contact again when rich!
y	y	y	n	y				Expalin offsetting as last resort, time lag issue, additional renewable energy has to replace fossil fuel, not add to it.
y	n	y	y	y	3	2	1	Might go for this price in the future maybe
y	m	y	b	y	3	0	4	
y	n	y	y	y	3	10	0	
n					1	0	0	carbon offsetting just lets people off hook
y	y		y	m	3	0	2.5	Keen on planting trees, compulsory taxation system with local democratic distribution of funds would be better, otherwise only the conscientious contribute.

y = yes  
n = no  
m = maybe  
b = both

Car miles, 1 = <1,000, 2 = 1,000 to 5,000, 3 = 5,000 to 10,000,  
4 = 10,000 to 20,000, 5 = > 20,000

	yes	no	maybe	both
In principle?	91%	9%	0%	
At these amounts?	40%	40%	20%	
At lower amounts?	70%	0%	0%	
Spent locally?	63%	11%		26%
Sust travel?	84%	5%	11%	

Summary of responses from Powys County Council employees:

In principle?	At these amounts?	At lower amounts?	Spent locally?	Sust travel?	Car miles	Euro flights	Long haul	Comments
y	n	y	y	y	3	8	2	Too expensive
y	y		y	y	4	5	0	
y	y	n	y	y	1	2	0	
y	n	y	b	y	4	4	2	Car miles and short haul affordable, long haul not
n	n	n	y	n	2	2	1	Wouldn't support voluntary scheme as not fair
y	y		b	y	3	2	0	Would like positive financial support for using sustainable travel
n	n	n						Denies CO2 causes global warming!
y	n	y	y	y	4	5	1	Concerned offsetting may be more about easing conscience
n	n		n	n	5	10	2	Denies CO2 causes global warming!
y	y		y	y	4	8	0	PCC should give staff very efficient lease cars
y	n	y	y	y	5	2	0	PCC should pay staff to use public transport

	yes	no	maybe	both
In principle?	73%	27%	0%	
At these amounts?	36%	64%	0%	
At lower amounts?	36%	27%	0%	
Spent locally?	70%	10%		20%
Sust travel?	80%	20%	0%	

## Appendix 2 – Financial Model

Intervention rate

50 £/t CO2

Large organisations	1
No. staff	200
Road miles per	1000
No. flights	0.1 at 2000km
No. flights	0.1 at 10000km
% paying gross	0%

Total road miles	200000
road CO2	60000
2000k flights	20
10000k flights	20
2000k CO2	16740
10000k CO2	114160
Total CO2	190900
Total £	9545

Mgmt fee 0  
 Cost per organisation £9,545.00

Small organisations	20
No. staff	15
Road miles per	2000
No. flights	0.1 at 2000km
No. flights	0 at 10000km
% paying gross	30%

Total road miles	600000
road CO2	180000
2000k flights	30
10000k flights	30
2000k CO2	25110
10000k CO2	171240
Total CO2	376350
Total £	18817.5

Mgmt fee 3763.5  
 Cost per organisation £940.88

Individuals	200
Road miles per	15000
No. flights	0.5 at 2000km
No. flights	0.5 at 10000km
% paying gross	50%

Total road miles	3000000
road CO2	900000
2000k flights	100
10000k flights	100
2000k CO2	83700
10000k CO2	570800
Total CO2	1554500
Total £	77725

Mgmt fee 25908.33  
 Cost per person £388.63

Total grant raised	£106,088	
Total management fee	£29,672	27.97%
	2121.75	tonnes