



# Dumbarton Road Corridor Environment Trust

## Your community, Your Planet

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### Environmental Impact Report 2011-12

#### 1 - Introduction

This brief report is our first attempt at measuring our environmental impact – or carbon footprint. Previously we have measured the environmental impact of specific projects and services as part of our reporting requirements for funders. However, as an Environment Trust, an organisation that is concerned with protecting and enhancing the environment, understanding our own environmental impact is extremely important.



Given that this is the first attempt at producing such a report the first step has been to identify the main contributing factors to our environmental impact. Furthermore, to be able to then measure the impact of these different factors good quality data is required. Once the impact has been measured we can then identify ways to further improve our systems and reduce our overall environmental impact.

#### 2 - Contributing Factors

The following table shows the main contributing factors that have been identified. The table also shows whether they have been included within the scope of impact calculations and the related data sources that have been used. If they have not been included in the scope this is because either we do not have any/sufficient data or it is not actually possible to measure the particular factor.

Contributing factor	Included in scope	Data source / Reason for exclusion
Van usage	Yes	Van type and mileage
Utility usage(main office)	Yes	Building energy performance certificate
Waste and recycling	Part	Scrap metal receipts
Utility usage (other properties)	No	Not possible to measure
DRCET meetings and events	No	Mainly transport - never been measured
Staff business travel (ex van use)	No	Never been measured
Staff commuting	No	Never been measured

#### 2.1 - Van Usage

The following table details the environmental impact of van usage for the last two years. For the past 12 months our impact has been **2045 kg CO2e** or **852 kg CO2e per FTE**. Interestingly our impact per FTE is the same for both years.

Period [1]	Kilometres	Conversion factor <sup>1</sup>	Kg CO2e [2]	Staff (number) [3]	Staff (FTE) [4]	Kg CO2e per FTE
2010-11	16439	0.249	4094	8	4.8	853
2011-12	8213	0.249	2045	5	2.4	852

#### Notes on van usage:

- [1] The period is from mid-August which is when the van MOT is done and thus we have accurate mileage for the 12 month period
- [2] CO2e is a universal measurement unit that allows global warming potential of different green house gases to be compared
- [3] Average number of staff across the 12 month period
- [4] Full time equivalent based on 35 hr working week

<sup>1</sup> Conversion factor sourced from <http://www.defra.gov.uk/publications/2012/05/30/pb13773-2012-ghg-conversion/>

## 2.2 - Utility Usage

Since June 2011 DRCET has been based within the Heart of Scotstoun Community Centre. DRCET rents office space within the Centre which is 28.1 square metres in size. This equates to 4% of the total floor space of 691.7 sq m. The Energy Performance Certificate <sup>2</sup>for the building (issued 15 April 2011) states the carbon emission per square metre of floor space per year is 22. Therefore based on these figures the total carbon emissions for the DRCET office is **618.2 kg CO2e** or **257 kg CO2e per FTE**.

## 2.3 - Waste and Recycling

In the past year DRCET has taken **3.34 tonnes** of metal for recycling, the majority of which has been from our bicycle recycling project De'ails On Wheels. The related carbon emissions have not been calculated.

## 2.4 - Other Contributing Factors

As outlined above it is not possible to measure some of the other contributing factors. The following highlights some of the things we are doing (but not measuring) to reduce our environmental impact.

### Staff business travel

- we have an office bicycle for local travel which replaces bus or private car travel
- using telephone conference calling to reduce travel

### Waste and recycling

- some office furniture was sourced from Anniesland College when they closed their Balshagray Drive annex
- redundant IT equipment from our old office was sent for reuse and recycling via LAMH Recycle
- procurement – we try to source environmentally friendly products, such as raised beds made from recovered timber supplied by Glasgow Wood Recycling and compost made from Buckley Eco Centre
- reuse – we take donations of unwanted materials including plant, plant pots, tools and other similar materials
- recycling – we recycle a wide range of materials including paper, card, plastics, metals and food waste

### Utility usage (other properties)

- DRCET has use of two ground floor spaces at 20 and 40 Kingsway Court. The electricity provision for both spaces is from the main electricity supply for the communal areas of the building. It is not possible to measure this factor.

## 3 - Total Environmental Impact

Based on the above calculations our total environmental impact – or carbon footprint – is **2663 kg CO2e** or **1109 kg CO2e per FTE**. So what does this actually mean? Well 2663 kg CO2e equates to the same emissions from running a private car for 6 months <sup>3</sup>. Furthermore our emissions per FTE compares favourably with the Scottish Environment LINK<sup>4</sup> carbon accounts, albeit their scope is wider including staff business travel and commuting.

Item	Kg CO2e	% of Total Kg CO2e	Staff (number)	Staff (FTE)	Kg CO2e per FTE
Vehicle Usage	2045	77%	5	2.4	852
Office	618	23%	5	2.4	257
<b>Total</b>	<b>2663</b>	<b>100%</b>	<b>5</b>	<b>2.4</b>	<b>1109</b>

## 4 - Conclusion

This is the first time we have produced an environmental impact report and the initial results are encouraging. Over the next year we will

- continue to improve our data collection methods
- Continue to understand the different contributing factors to our impact
- continue to record the steps we are taking to reduce our environmental impact
- report on our environmental impact
- include environmental impact methods, where appropriate, for any new projects or services
- investigate setting targets for reducing our environmental impact



<sup>2</sup> Energy Performance Certificates

<http://www.communities.gov.uk/planningandbuilding/sustainability/energyperformance/ndepcs/energyperformancecertificates/>

<sup>3</sup> Sourced from <http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

<sup>4</sup> Scottish Environment LINK, an office based campaigning and lobbying organisation, have produce carbon accounts since 2008 and these are available on their website <http://www.scotlink.org/public/publications/CarbonAccounts.php>