

Rail Delivery Group



Green Travel Data

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Version History

Version	Comments
P-01-00	Updated for approved Phase 1 publication option.
P-02-00	Addition of car emissions data. Addition of 'reference', 'averageEmissionsPerStandardPassengerKGCO2e', and 'averageEmissionsPerFirstPassengerKGCO2e' data to 'Average emission output by journey data'
P-03-00	Reflect the product name change from 'Green Travel Pledge' to 'Green Travel Data'. Combine rail and car emissions data into one file. Add air emissions data on routes where scheduled air routes exist.

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Terms and Definitions

Term	Definition
CRS	A 3-character code issued to every railway station in Britain.
CSV	Comma Separated Values; a standard file format.
IPR	Intellectual Property Rights.
KGCO2e	CO2e stands for carbon dioxide equivalent and is a standard measurement of greenhouse gas (GHG) emissions. In this instance in kilograms (KG).
PDF	Portable Document Format: a file format for encoding documents that preserves the appearance of a document exactly.
RDM	Rail Data Marketplace.

1. Introduction

1.1 Overview

1.1.1 This document provides an overview of Green Travel Data (formerly Green Travel Pledge), its purpose, scope, and usage, along with details of the supporting calculation methodology.

1.1.2 Green Travel Data is a service owned by RDG. The Intellectual Property Rights (IPR) for Green Travel Data belong to RDG.

1.2 Purpose

1.2.1 This document provides information on, and the rules when using the Green Travel Data.

1.3 Scope

1.3.1 This document provides the data specifications of the Green Travel Data which is delivered via the Rail Data Marketplace (RDM).

1.4 Related Subjects and references

Title	Usage
gtd-methodology-YYYY-MM-DD.pdf	<p>This documentation, available from the RDM, serves as an authoritative guide on the methodology behind the Green Travel Data.</p> <p>YYYY-MM-DD indicates the date that the methodology was finalised and the data release it relates to.</p>

2. Data

2.1 General

2.1.1 Green Travel Data feed formats are defined in this section.

2.1.2 Two Comma Separated Value (CSV) files are available for download from the RDM.

2.1.3 Data is updated approximately every six months.

File	Typical size
Average emission output by passenger km	10 kb
Average emission output by journey	8 mb

2.2 Average emission output by passenger km

2.2.1 General

2.2.1.1 The file contains average emission data by passenger km.

2.2.1.2 The fields are comma separated, with empty fields having zero length.

2.2.2 Filename

`gtd-emissions-output-by-passenger-YYYY-MM-DD.csv`

where YYYY-MM-DD indicates the date that the data was generated.

2.2.3 Data Description

Key	Field	Field Name	Type	Max Length	Description
Y	1	railType	String	2000	The type of rail journey
	2	emissionsKgCO2ePerPassengerKm	Float	8	Emissions per passenger (KGCO2e) for the type of rail journey.

2.3 Average emission output by journey

2.3.1 General

2.3.1.1 The file contains average emissions data for all 'point-to-point' business travel journeys.

2.3.1.2 The fields are comma separated, with empty fields having zero length.

2.3.2 Filename

gtd-emissions-output-by-journey-YYYY-MM-DD.csv

where YYYY-MM-DD indicates the date that the data was generated.

2.3.3 Data Description

Key	Field	Field Name	Type	Max Length	Description
	1	from	String	2000	The origin station name for the journey.
Y	2	originStationCode	String	3	The identification CRS code issued to the origin station.
	3	to	String	2000	The destination station name for the journey.
Y	4	destinationStationCode	String	3	The identification CRS code issued to the destination station.
	5	reference	String	2000	The origin station name and the destination station name.
	6	averageEmissionsPerStandardPassengerKGCO2e	Float	5	Average emissions per standard class passenger (KGCO2) for this journey.

Key	Field	Field Name	Type	Max Length	Description
	7	averageEmissionsPerFirstPassengerKGCO2e	Float	5	Average emissions per First Class Passenger (KGCO2e) for this journey.
	8	averageEmissionsPerPassengerKGCO2e	Float	6	Average Emissions per Passenger (KGCO2e) for this journey.
	9	averagePetrol/DieselCarEmissionsKGCO2e	Float	5	Average Petrol/Diesel car emissions (KGCO2e)
	10	averagePlug-inHybridElectricCarEmissionsKGCO2e	Float	5	Average Plug-in Hybrid Electric car emissions (KGCO2e)
	11	averageBatteryElectricCarEmissionsKGCO2e	Float	5	Average Battery Electric car emissions (KGCO2e)
	12	averageAirEmissionsKGCO2e	Float	5	Average Air emissions (KGCO2e)

2.4 Rules for Use

2.4.1 What can the data be used for?

2.4.1.1 The raw data may be made freely available or otherwise distributed to third parties.

2.4.1.2 To inform Data Consumer development roadmaps to integrate future data into their Point-of-Sale travel solutions. Therefore, informing business travellers as they consider their business travel options.

2.4.2 What can the data not be used for?

2.4.2.1 The raw data may not be sold or otherwise distributed to third parties for commercial gain.

2.4.3 Data refresh

2.4.3.1 The data files in RDM will be overwritten following each data upgrade unless there are significant changes when a new version will be issued, alongside updated documentation.

End.