Corporate Cabs Offset Programme

Activity Report 67 – April 2015

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1. INTRODUCTION

Corporate Cabs provides limousine taxi services in Auckland, Wellington, Christchurch, Dunedin and Queenstown. The Corporate Cabs fleet consists solely of Ford Fairlane and Holden Statesman, and Caprice vehicles. Corporate Cabs have made a long-term commitment to reduce their environmental footprint by introducing a greenhouse gas emission reduction program.

This programme is being delivered in partnership with New Zealand company, Energy Mad, and the Markit Environmental Registry.

2. EMISSIONS CAPTURED BY THE PROGRAMME

The Corporate Cabs Offset Programme measures the direct greenhouse gas emissions arising from the taxi fleet operations. The source data used to calculate the actual fleet emissions was provided by Z Energy and Mobil New Zealand.

3. REPORT DETAILS

3.1 Activity period

The activity period captured by this report is from 1 April 2015 to 30 April 2015.

3.2 Source data

The source data consisted of fuel purchased by 93% of the petrol-powered Corporate Cabs fleet during the activity period. Source data was provided by Z Energy and Mobil New Zealand. The source data has been extrapolated to account for all petrol-powered cars in the Corporate Cabs national fleet.

Source data for the LPG-powered Corporate Cabs fleet was not included for this activity period.

3.3 Greenhouse gas emission intensity of petrol and LPG

The following greenhouse gas emission intensity values have been applied in the fleet emission calculation:

- Petrol 2.34 $kgCO_2$-e per litre[1]
- LPG 1.61 $kgCO_2$-e per litre[1]

[1] Sourced from the Ministry for the Environment, New Zealand Government.

3.4 Calculation results

The following table summarises the calculated greenhouse gas emissions generated by the petrol-powered portion of the Corporate Cabs taxi fleet during activity period 67.

Corporate Cabs Greenhouse Gas Emissions for Activity Period 67

Fuel type	CO_2-e emission per litre (kg)	CO_2-e emissions (tonnes)
Petrol	2.34[1]	101.05
LPG	1.61[1]	71.88
	Total	172.93

4. OFFSETTING

Corporate Cabs have elected to offset their taxi fleet emissions by retiring Voluntary Carbon Units (VCUs) created by the New Zealand Household Energy Efficient Lighting Project (HELP). The HELP was implemented by Christchurch-based company, Energy Mad. The HELP was rolled out in partnership with electricity network utilities and retail outlets throughout New Zealand to offer consumers five Ecobulb® light bulbs for $10.00, using a voucher redemption process. The installation of these Ecobulb® light bulbs in the place of incandescent bulbs led to a direct reduction in fossil fuel electricity generation.

For activity period 67 Corporate Cabs have elected to offset 100% of the emissions from the petrol-powered cars in their national fleet. The following table details the offsetting carried out for activity period 67.

Corporate Cabs Greenhouse Gas Emissions Offsetting for Activity Period 67

Fuel type	Level of offsetting	Number of VCUs retired
Petrol	100%	101
LPG	100%	72
	Total	173

The VCUs retired by Corporate Cabs are publicly viewable on the Markit Environmental Registry[2]. The retired VCUs are also publicly viewable on the Voluntary Carbon Standard Project database[3].

5. REPORT PREPARATION

This activity report has been prepared by New Zealand energy efficiency products and services company, Energy Mad.

[2] http://mer.markit.com/br-reg/public/index.jsp?s=cr and type Corporate Cabs into the search window

[3] https://vcsprojectdatabase2.apx.com/myModule/Interactive.asp?Tab=VCUs&a=1&t=2