

## Introduction

ESP is an energy management consultancy with a staff of 20. Our service is provided through collecting and analysing data from a variety of sources to produce intelligent insights and energy reduction pathways. The company is based in the Auckland CBD, and works nationwide and in the Pacific region. ESP provides a range of energy management services, including Type 1 and Type 2 Energy Audits, energy Monitoring & Targeting projects with on-site load metering, and Measurement & Verification reporting on energy savings. These services are provided to a variety of commercial and industrial clients in the private and public sectors.

## Reporting Boundary

This report states the greenhouse gas emissions by Scope (as per the GHG Protocol) from ESP's business activities for the period from 1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020.

Included Emissions:

- Scope 1: Road travel in company-owned cars, private staff cars and rental cars, both for existing clients and for sales proposals
- Scope 2: Electricity Usage in the Auckland office
- Scope 3: Air travel, waste to landfill, incoming mail (often by air-freight) and outgoing mail (local and national road-freight)

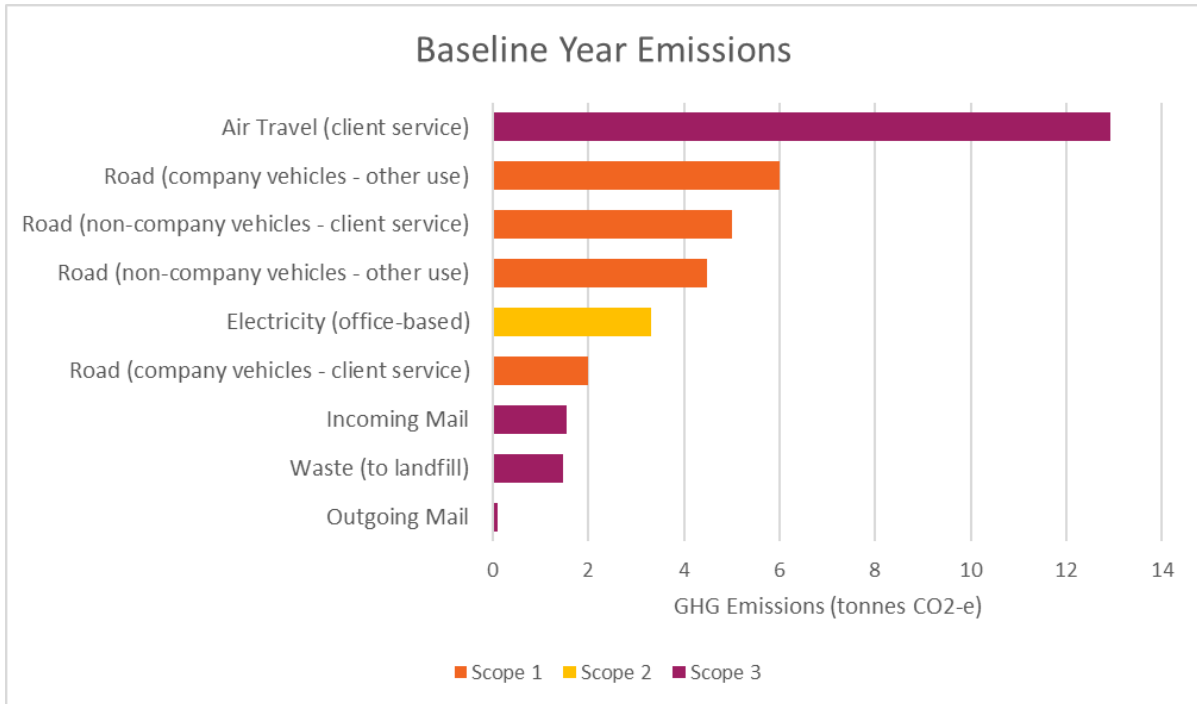
Other emissions not currently included:

- Employee commuting
- Recycled waste
- Client visits on public transport and using private staff small vehicles (e-bikes & e-scooters)
- Embedded emissions in non-consumables (computers, printers whiteware, printers etc) and office supplies

Future reporting will include some of the emissions omitted from this report, as ESP's monitoring of different emissions sources widens.

## Calculated Emissions

ESP's greenhouse gas emissions by source are shown in the figure following. The baseline year for these emissions was 1<sup>st</sup> April 2019 to 31<sup>st</sup> March 2020.



The emissions for air travel, road travel, waste-to-landfill and electricity were calculated using the Catalyst ACE (Annual Carbon Emissions) calculator, available from the Sustainable Business Network website. The emissions for outgoing mail were calculated from data provided by Courier Post New Zealand, and the emissions for incoming mail were calculated from the mass and direct-flight distance travelled for each item.

The total emissions by Scope as tonnes of carbon dioxide equivalents (tCO<sub>2</sub>e) for this period were:

Emissions by Scope	
Scope 1	17.5 tCO <sub>2</sub> -e
Scope 2	3.3 tCO <sub>2</sub> -e
Scope 3	16.0 tCO <sub>2</sub> -e
<b>Total Emissions</b>	<b>36.8 tCO<sub>2</sub>-e</b>