



## 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.

## Summary

The FY 2022 carbon emissions in comparison to FY 2020 were 75% lower. Reductions in road travel, with company owned and staff vehicles, due to COVID. ESP staff hosted meetings on MS Teams where possible to avoid unnecessary road travel with Auckland. All regional travel was planned in a way so that multiple clients or sites could be visited within that region. This resulted in fewer than usual road and air travel. ESP will continue to find ways to reduce carbon emissions to meet its future targets.

## 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 1st April 2021 to 31st March 2022.

Included Emissions:

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

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 1st April 2019 to 31st 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	Total Annual Emissions (t-CO <sub>2</sub> )	Emissions Sources
Scope 1	1.62	ESP Company Owned Vehicles
Scope 2	3.53	Electricity Usage
Scope 3	3.59	Air Travel Waste to Landfill Incoming and Outgoing Mail Non-ESP Owned Vehicle GHG Emissions
Total	8.74	

### Key initiatives:

- As ESP owned ICE petrol & diesel vehicles are replaced with EVs, the road travel Scope 1 emission will move from Scope 1 to Scope 2: similarly,
- Gains made through grouping client visits and replacing visits with video meetings apply to all scopes depending on the financial year.

Company growth and swapping ICE vehicles for EVs contributes to increasing emissions from electricity usage.

- These increases will be partially offset through the new policy of allowing people to work from home; and
- Through a planned energy savings opportunity identification and implementation.

