



CACLULATIONS OF EMISSIONS OF RESET ORGANIZATION

Introduction

The report refers to the "Implementation Plan for the Low Carbon Transition" of the esteemed RESET organization. This comprehensive plan signifies our commitment to collaboratively navigate the intricacies of sustainable business practices as provided by the REBUILT Consortium, aligning with RESET's vision for a low-carbon future.

Embedded within this document is a detailed report encompassing emissions calculations for various sectors, meticulously compiled based on the data graciously provided by the RESET organization. This report not only serves as a quantitative analysis but also as a cornerstone for the strategic framework that will guide RESET towards reduced carbon footprints and enhanced environmental resilience.

As CSI unveils this comprehensive report, we aim to provide RESET with a holistic understanding of their current carbon landscape, laying the foundation for a purposeful and effective low-carbon transition.

In the following section, the emissions calculations are provided for the RESET organization.

The RESET organization has nine employees; they work three days a week from home, and twice a week they go to the office.

Company's Name: RESET organization.

Company's Website: www.resetcy.com

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Calculations

Electricity:

Reset provided data for winter monthly consumption and summer monthly consumption. Thus, the following calculations have been done separately for summer and winter periods and then added for the annual consumption.

Winter And Spring Average Consumption:

A monthly average 269 KWh the total monthly electricity emissions are 0.18 metric tons of CO₂

Summer Monthly Average Consumption :

A monthly average 400 KWh the total monthly electricity emissions are 0.26 metric tons of CO₂

Annual Consumption: $0.18 * 9 \text{ months} = 1.62 \text{ tons of CO}_2\text{e} + 3 \text{ months} * 0.26 = 0.78 \text{ tons of CO}_2\text{e} \Rightarrow$

Total Annual Consumption = 2.4 tons of CO₂e

Annual Amount PAID= $3 * 200 \text{ eur} + 9 * 87 \text{ eur} = 1122$

Flights:

$0.79 * 6 =$ (for 1 trip per person for example from LCA to Brussels) 9.48 tons CO₂

$0.25 * 9 = 2.25 \text{ tons CO}_2$ (for 1 trip per person from LCA to Athens)

Total Annual Flights Emissions : $2.25 + 9.48 = 11.73 \text{ tons CO}_2\text{e}$

Annual amount PAID: 300 (per person for 1.5 trip during the Year (total of 3 TPM in two years for one project) * 9 = 2700 EURO



VEHICLES

Vehicles travel from Nicosia to Limassol (87km) per day

1) Renault :

0.02 metric tons: 87 km in a EU 2015 RENAULT Clio 1.2 16V 75, M5

2) ReNAULT:

0.01 metric tons: 87 km in a EU 2016 RENAULT Kadjar Euro6, 2015 dCi 110 EDC 16/17 inch wheel, A6

TOTAL MONTHLY: 0.24 tons CO₂e

Vehicles travel from Skarinou to Limassol (40km)

1) TOYOTA iQ Model

0.01 metric tons for 40 km a EU 2011 TOYOTA iQ, Model Year 2011 1.33 VVT-i 6 speed Manual M6

TOTAL MONTHLY: 0.08 tons CO₂e

Vehicles travel from Limassol to the Company (5-10 km)

1) MAZDA DEMIO 2014 (UNLEADED)

0.00 metric tons: 10 km in a EU 2014 MAZDA Mazda2 1.3 3/5 Door (75PS)

2) HUNDAI TUSCON 2018 (Diesel)

0.00 metric tons: 10 km in a EU 2018 HYUNDAI Tucson 1.6l GDi 2WD, M6

3) Toyota Yaris (unleaded) 2014

0.00 metric tons: 10 km in a EU 2014 TOYOTA Yaris, MY2014 1.33 VVT-i 6-speed M-drive S

4) Audi A4

10 km in a EU 2017 AUDI A4 Saloon 1.4 TFSI 150PS 18" wheels, M6
0.00 metric tons:

TOTAL MONTHLY =0.00 tons CO2e

Plastic Package

RESET employees use plastic package during their working days in office or during meetings with other partners and other activities. They mentioned that they use approximately 12 plastic packages per week.

Total plastic emissions per week: 0.0000017 tonnes CO2e

Total monthly emissions: 0.0000068 tons CO2

Total annual emissions: 0.0000816

Food and Beverages

Homemade meals (once a week x9)

Food delivery once a week

Monthly amount paid = (9*Average 6 euro)* 4= 216 euro

Annual amount paid=2.592 euro

Coffee (1x9) or snacks are sometimes brought from home, as well as from nearby cookeries or through online orders.

TOTAL ANNUAL EMISSIONS 1.50 metric tons: €2592 per year of Food and drink products for a medium meat eater

Paper Products

They utilize paper for printing when necessary (10 pages per week) but prioritize digital formats whenever possible. Additionally, paper is occasionally employed during participant activities for mind-mapping purposes. Furthermore, note-pads are commonly used by all team members.

Monthly used of paper products : 60 pages

Annual monthly used of paper products: 720 pages

Annual amount paid= 25 Euro

Total annual emissions: 0.01 metric tons: €25 per year of Paper based products

Consumables

Office supplies like pens and markers, printer ink cartridges and toners

Cleaning supplies such as disinfectant wipes, bathroom essentials like toilet paper and hand soap,

Kitchen items including coffee pods (used twice a month) and normal coffee machine once a day and tea bags (two per day), and

Maintenance products like batteries (they do recycle)

Monthly Amount Paid= 150 euro

Annual amount paid = 1800 euro

Total Annual emissions from consumables for 1800 euro: 36tons CO2e

Electrical Equipment

8 laptops, 8 screens, one printer and scanner, a projector, a modem, two coffee machines, and an electrical water filter

Cloud Computing

Cloud Computing - Memory

Dropbox (mainly) (250 GB out of 2T) and google drive (individual) 100 GB each

RESET organization couldn't provide energy consumption from these activities. Thus, the calculations have not been considered.

Information Communication Services

They use WhatsApp and Skype for messaging, engage people through our social media (Facebook, Instagram, and LinkedIn), maintain their website once a year, and manage projects with Jira (online project management tool)

Hotel, Accommodation and Restaurants

500 Euro per person per year

0.10 metric tons: €500 per year per person of Hotels, restaurants, and pubs etc .

Total Annual Emissions per 9 people: $0.10 \times 9 = 0.9$ tons CO₂e

Waste Management and Emissions

The company recycles paper, plastics and batteries. Unfortunately in Cyprus we don't have the ability to weight the amount of waste throw away by each company.

For the amount of 150 euro tax per year the CO₂e emissions are :

Total Annual Emissions: 3 tons of CO₂e

Water:

Water consumption : 150.26 m³ every four months

Thus the total annual consumption is :

- **Total annual emissions : 0.21 tons CO₂e**

Total emission Calculations:

Electricity:

- Total Annual Emissions: 2.4tons CO₂e
- Monthly Emissions (average): 2.4 tons CO₂e/12 months=0.2 tons CO₂e

Flights:

- Total Annual Flights Emissions: 11.7311.73 tons CO₂e
- Monthly Emissions (average): 11.73 tons CO₂e/12 months=0.98 tons CO₂e

Vehicles:

- Total Monthly Emissions (Nicosia to Limassol): 0.24 tons CO₂e
- Total Monthly Emissions (Skarinou to Limassol): 0.08tons CO₂e
- Total Monthly Emissions (Limassol to Company): 0.00 tons CO₂e

Plastic Package:

- Total Monthly Emissions: 0.00000680.0000068 tons CO₂e
- Total Annual Emissions: 0.00008160.0000816 tons CO₂e

Food and Beverages:

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- Total Annual Emissions: 1.501.50 tons CO₂e
- Monthly Emissions (average):
1.50 tons CO₂e/12 months=0.125 tons CO₂e1.50tons

Paper Products:

- Total Annual Emissions: 0.010.01 tons CO₂e
- Monthly Emissions (average): 0.01 tons CO₂e/12 months=0.00083 tons

Consumables:

- Total Annual Emissions: 3636 tons CO₂e
- Monthly Emissions (average):
36 tons CO₂e/12 months=3 tons CO₂e36tons CO₂e/12months=3tons CO₂e

Hotel, Accommodation, and Restaurants:

- Total Annual Emissions (for 9 people): 0.90.9 tons CO₂e
- Monthly Emissions (average):
0.9 tons CO₂e/12 months=0.075 tons CO₂e0.9tons CO₂e/12months=0.075tons CO₂e

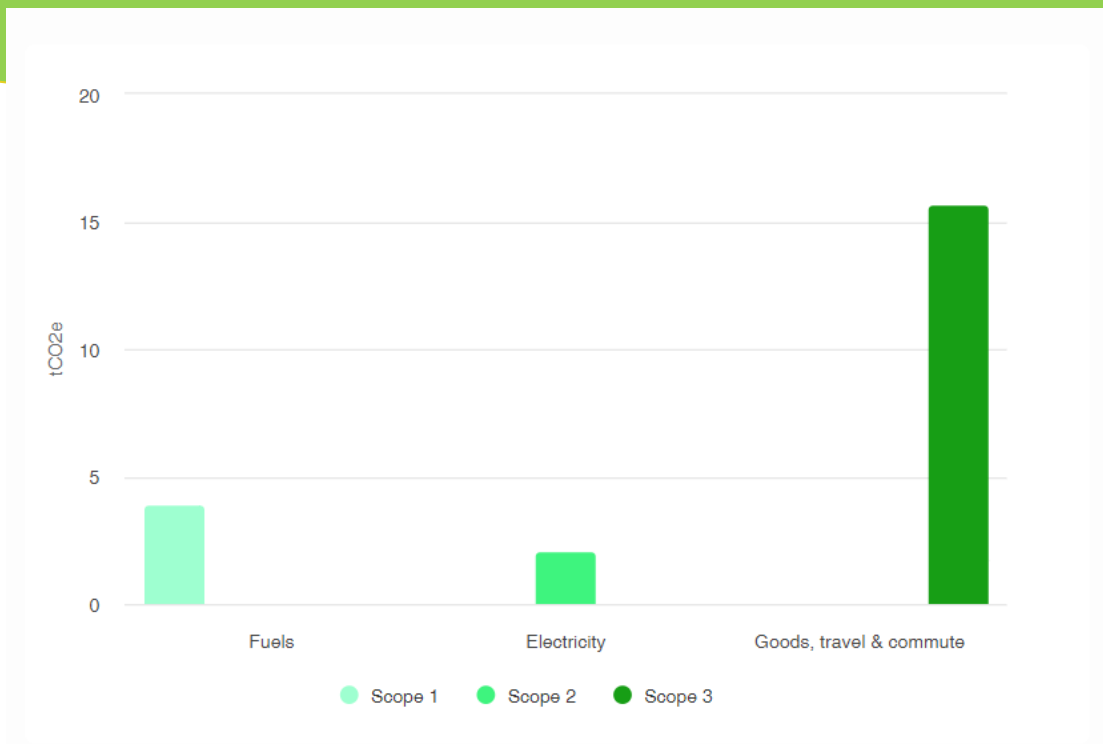
Waste

- Total Annual Emissions: 3 tons CO₂e
- Monthly Emissions: 0.25 tons CO₂e each month

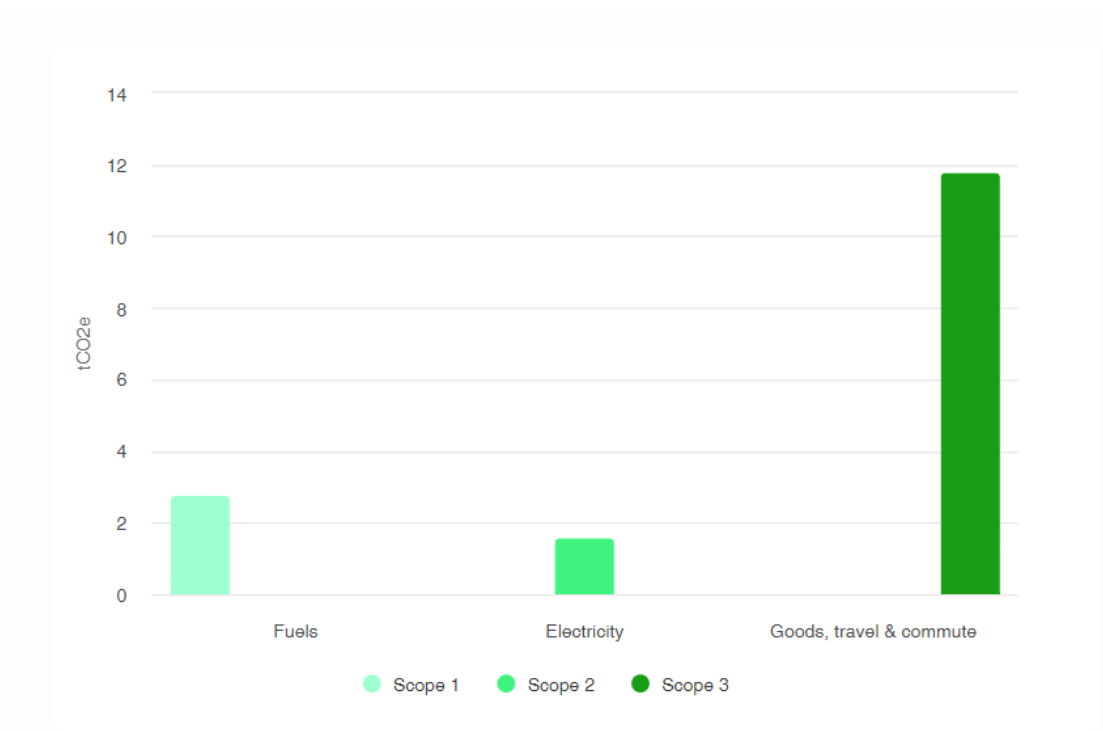
Water

- **Total annual emissions** : 0.21 tons CO₂e

Before the re-engineering process, the total emissions for Scope 1, Scope 2, and Scope 3 were as follows:



However, the total emissions after the re-engineering process for Scope 1, Scope 2, and Scope 3 were as follows:



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