

Management summary Carbon footprint

Egis Parking Services carries out an active program in the context of its sustainability policy based on the carbon-performance ladder of SKAO compatible with GHG Protocol and NEN-ISO 14064. The growing concern with the environment, in particular the possibility of climate change through global warming, has led to a focus on how business activities have the potential to adversely impact the long-term sustainability of the planet. 'Meeting the needs of the present without compromising the ability of future generations to meet their own needs' is a definition which EPS aims to be a part of.

What is our carbon footprint?

EPS succeeded in mapping its emissions and then subdivide them into Scopes. This carbon emission inventory^(figure 1) reports on direct and indirect emissions as a result of the business activities.

Reduction targets

Building upon the inventory EPS has set goals for reduction. This has been worked out at a detailed level in an *Energy Management Program*.

Scope¹: Working with scan-vehicles through the city, EPS recognises that the fuel use represents the major part of the emission. Green solution: Replacing all fuel vehicles by full-electric vehicles will reduce our fuel carbon emission to zero!

Scope²: As a direct result of this, the electricity consumption will increase compared to currently measured. Green solution: Switching to 'Green electricity' based on sustainable energy sources such as sun, wind and geothermal energy this doesn't cause air pollution nor carbon emission, bringing emission to zero! The switch took place at the start of 2019.

Scope³: Apart from the carbon footprint, EPS has put down a Scope 3 analysis. The goal of this was to prioritise the scope 3 by highest emissions. These are the parking machines. A chain analysis has been made of this subject. This contains mapping the chain partners, quantifying the emissions within the process steps and mapping the reduction possibilities. Green solution: Approach the chain partners to implement the identified reduction options.

Communication

By implementing a carbon/energy conscious policy with sustainable business operations and activities it is important that we reduce our carbon footprint and energy consumption. In addition to create a policy with the corresponding reduction targets, it is certainly also important to communicate well about this policy. In order to implement its policy, EPS is transparent about the energy reduction objectives, the measures and the results achieved. Publicising reports internally also contributes to employee awareness and involvement in making reduction a task for everyone. Externally we aim at all external stakeholders, raising awareness in the context of chain initiatives to reduce the carbon footprint. A communication plan has been drawn up for this including multiple communication moments which contains news about developments, performance, innovations and participations.

Participation

By participating in (inter)nationally organised carbon-reduction related meetings, EPS shows that its investing in cooperation and sharing knowledge. EPS participates in several meetings including;

1. Competing for the European Parking Award; winning the 2017 EPA award for the winning project within innovative technology made a direct impact on the carbon footprint. Introducing Remote Image Review and as a result decreasing the fuel fleet.
2. Vexpan; the platform for parking in the Netherlands provides a communication platform for all developers working within the parking industry by being a part of Vexpan we are sharing knowledge and experience.
3. Netherlands Carbon-neutral Foundation: Four times a year meetings are organised to share new knowledge and insights with members.
4. Egis program 'Transformation and Sustainability'

EPS managed to fully document its reduction and reduction goals in detailed reporting divided into:

A	Insight	Data Footprint, Emission inventory, Chain analysis, Quality Management Plan
B	Reduction	Energy Management program
C	Transparency	Communication plan
D	Participation	Participation plan

An external audit took place on 25 September 2018. This has been successfully completed and Egis Parking Services is certified for the second highest level of certification. However, obtaining the certificate was not the ultimate goal. Our ultimate goal remains to reduce carbon emission. The realization of this is only possible through accurate monitoring and effective adjustment. The following trend analysis indicating how effectively EPS is achieving its goals.

Total Carbon emission		2017	
Scope 1 Direct Emissions			
1.1 Gas consumption	CO2 (tons)	92,85	3,02%
1.2 Fuel fleet		314,04	10,20%
1.3 Fuel remainder		0,38	0,01%
Totaal scope 1		407,27	
2.1 Electricity consumption		273,16	8,87%
2.2 Business travel		0,00	0,00%
Total Scope 1&2		273,16	
Totaal scope 2		680,43	
3.1 Purchased goods and services		921,85	29,94%
3.2 Upstream assets (Parking machines)		1.117,10	36,28%
3.3 Refuse		6,33	0,21%
3.4 Commuter traffic		353,49	11,48%
Totaal scope 3		2.398,77	100,00%
Total scope 1, 2 en 3		3.079,20	<i>Emission Inventory</i>

Total Carbon emission		2018	
Scope 1 Direct Emissions			
1.1 Gas consumption	CO2 (tons)	117,69	3,90%
1.2 Fuel fleet		98,33	3,26%
1.3 Fuel remainder		0,38	0,01%
Totaal scope 1		216,40	
2.1 Electricity consumption		360,28	11,95%
2.2 Business travel		0,04	0,00%
Total Scope 1&2		576,72	
Totaal scope 2		360,32	
3.1 Purchased goods and services		1.082,59	35,92%
3.2 Upstream assets (Parking machines)		1.135,34	37,67%
3.3 Refuse		9,36	0,31%
3.4 Commuter traffic		209,97	6,97%
Totaal scope 3		2.437,26	100,00%
Total scope 1, 2 en 3		3.013,98	<i>Emission Inventory</i>

Total Carbon emission		2019	
Scope 1 Direct Emissions			
1.1 Gas consumption	CO2 (tons)	117,69	3,90%
1.2 Fuel fleet		98,33	3,26%
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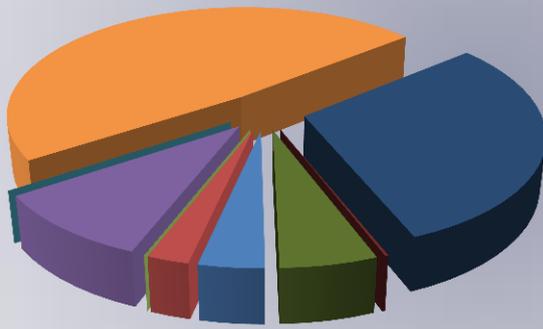
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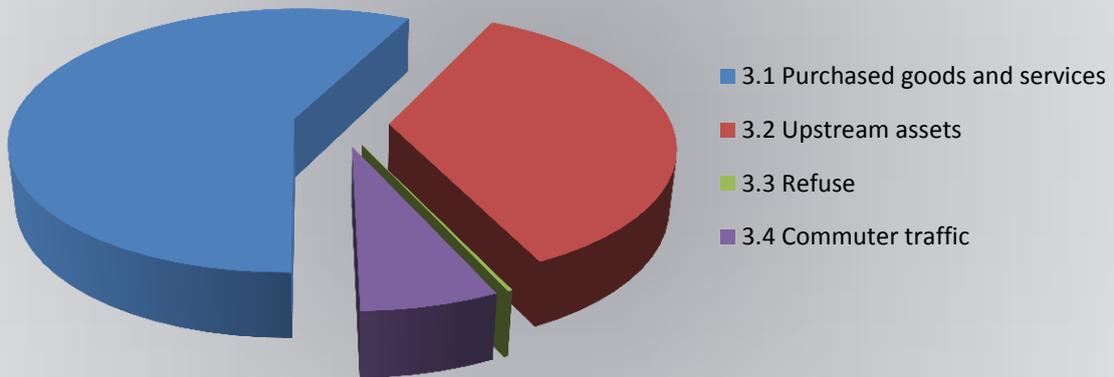
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Carbon footprint 2019-1: 1186 ton CO₂

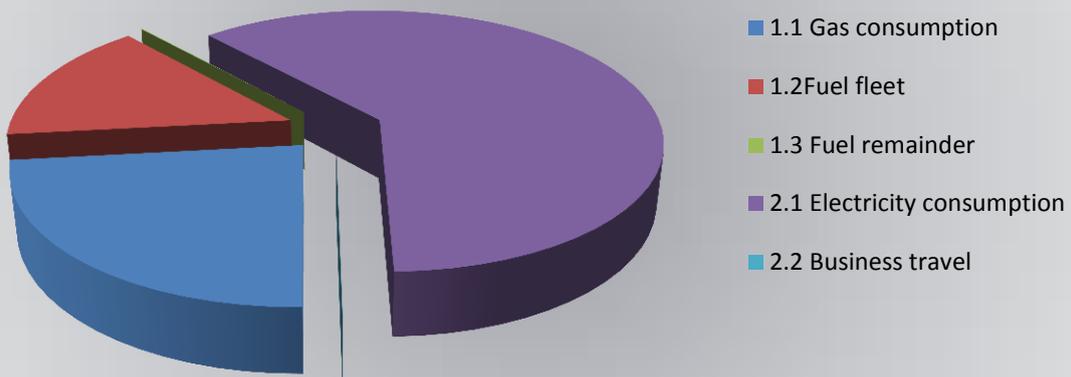


- 1.1 Gas consumption
- 1.2 Fuel fleet
- 1.3 Fuel remainder
- 2.1 Electricity consumption
- 2.2 Business travel
- 3.1 Purchased goods and services
- 3.2 Upstream assets
- 3.3 Refuse
- 3.4 Commuter traffic

CO₂-footprint Scope 3 (2019-1): 870 ton CO₂



CO₂-footprint Scope 1&2 (2019-1): 317 ton CO₂



Trendanalyse 2017/2018/2019-1: Monitoring and analysing emissions throughtout the year

