



# Greenhouse gas (GHG) accounting report

Edita Prima Oy

2021

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## Details

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### Summary

This report provides a summary of the greenhouse gas (GHG) emissions from Edita Prima Oy's operations from 1 January 2021 to 31 December 2021.

Table 1 shows the key performance indicator (KPI) for Edita Prima Oy. Table 2 gives an overview of the GHG emissions per scope, the already compensated GHG emissions and how much GHG emissions Edita Prima Oy has to compensate in order to become climate-neutral.

Table 1: KPI

Number of employees	81	tCO <sub>2</sub> e/employee	30.31
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Table 2: GHG emissions by emission source

Scope	Emissions (tCO <sub>2</sub> e)	% of total
Scope 1: direct GHG emissions	11.5	0.5%
Scope 2: indirect GHG emissions from purchased electricity, heating and cooling	140.6	5.7%
Scope 3: other indirect GHG emissions	2,302.8	93.8%
<b>Total GHG emissions</b>	<b>2,454.9</b>	<b>100%</b>
<b>GHG emissions compensated by third parties</b>	<b>1,098.5</b>	
<b>GHG emissions to be compensated by Edita Prima Oy</b>	<b>1,356.4</b>	

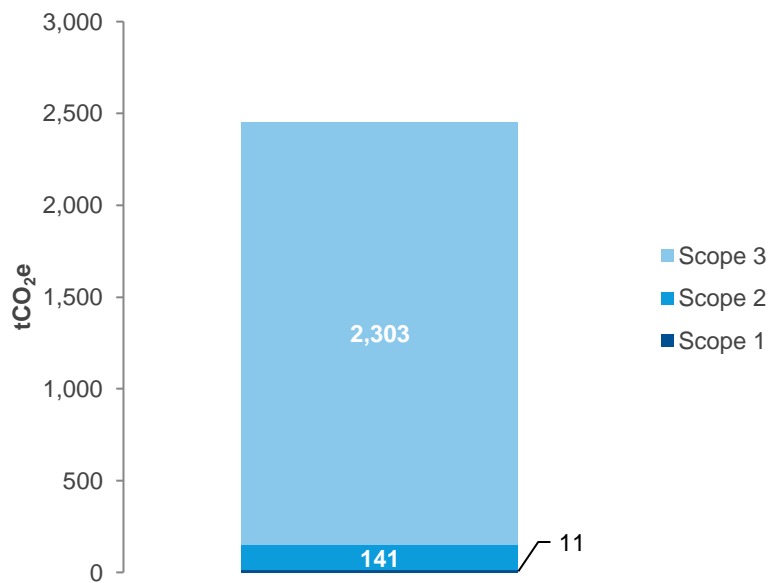


Figure 1: GHG emissions (tCO<sub>2</sub>e) per scope 2021 (market-based)

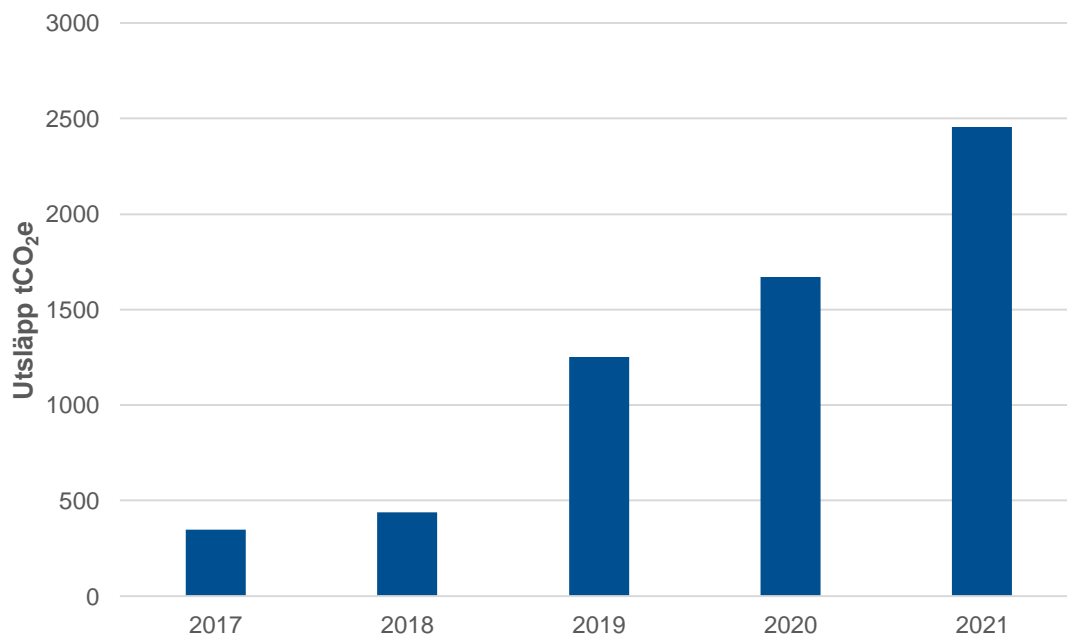


Figure 2: GHG emissions 2017-2021 (market-based)

# 1 Result

## 1.1 GHG emissions 2021

Tabell 3: GHG emissions per scope and activity 2021

Activity	Consumption	Unit	Emissions (tCO <sub>2</sub> e)	% of total emissions
<b>Scope 1:</b>			<b>11.5</b>	<b>0.5%</b>
Mobile combustion	5,587	litres	11.5	0.5%
Petrol	3,007	litres	5.6	0.2%
Diesel	2,580	litres	5.8	0.2%
<b>Scope 2:</b>			<b>140.6</b>	<b>5.7%</b>
Electricity	4,051	MWh	0.0	0.0%
Renewable electricity	4,051	MWh	0.0	0.0%
Heating & cooling	1,770	MWh	140.6	5.7%
District heating	1,761	MWh	140.5	5.7%
District cooling	9	MWh	0.1	<0.1%
<b>Scope 3:</b>			<b>2 302.8</b>	<b>93.8%</b>
Business travel	5,071	km	1.0	<0.1%
Staff car reimbursement, petrol	3,045	km	0.6	<0.1%
Staff car reimbursement, diesel	1,305	km	0.2	<0.1%
Taxi	721	km	0.1	<0.1%
Purchased goods and services			5.2	0.2%
Water	2,550	m <sup>3</sup>	1.1	<0.1%
Paper	220	kg	0.2	<0.1%
IT equipment	90	devices	3.9	0.2%
<i>Desktop computers</i>	10	devices	0.9	<0.1%
<i>Monitors</i>	50	devices	2.3	0.1%
<i>Smartphones</i>	30	devices	0.7	<0.1%
Leased goods	61	devices	3.8	0.2%
Laptops	61	devices	3.8	0.2%
Employee commuting and teleworking			58.8	2.4%
Employee commuting	267,986	pkm	48.7	2.0%

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Activity	Consumption	Unit	Emissions (tCO <sub>2</sub> e)	% of total emissions
Walk	889	pkm	0.0	0.0%
Bicycle	3,904	pkm	0.0	0.0%
Moped	876	pkm	<0.1	<0.1%
Motorcycle	445	pkm	0.1	<0.1%
Car petrol	214,766	pkm	44.6	1.8%
Car diesel	14,713	pkm	2.3	0.1%
Bus	26,462	pkm	1.6	0.1%
Metro	1,775	pkm	<0.1	<0.1%
Train	4,156	pkm	0.1	<0.1%
Teleworking	7,650	teleworking days	10.1	0.4%
<b>Upstream transportation and distribution</b>			<b>2 072.0</b>	<b>84.4%</b>
Freight - road	-		2 072.0	84.4%
<b>Waste</b>	<b>459</b>	<b>tonnes</b>	<b>27.2</b>	<b>1.1%</b>
General waste – incineration	33	tonnes	17.1	0.7%
General waste – recycling	420	tonnes	9.0	0.4%
Hazardous waste	6	tonnes	1.1	<0.1%
<b>Fuel- and energy-related activities</b>			<b>134.9</b>	<b>5.5%</b>
Petrol	2,580	litres	0.6	<0.1%
Diesel	3,007	litres	0.7	<0.1%
Renewable electricity	4,051	MWh	100.7	4.1%
District heating	1,761	MWh	32.9	1.3%
District cooling	9	MWh	0.0	0.0%
<b>Total GHG emissions</b>			<b>2,454.9</b>	<b>100.0%</b>
Already compensated GHG emissions (Freight – road)			1,098.5	
<b>Total GHG emissions to be compensated</b>			<b>1,356.4</b>	



## 2 Analysis

### 2.1 Current state

Edita Prima Oy is a provider of versatile graphic production services, specializing in print automation solutions and transactional printing. Edita Prima Oy is a Nordic ecolabeled printing company meeting both ISO 9001 and ISO 14001 standards. Edita Prima Oy also has the right to use the PEFC-label. The company's production plant is located at Kuninkaantammenkierto 3, Helsinki, and the sales office in Verkkosaarenkatu 5, Helsinki. Edita Prima Oy is part of Edita Group (until 31.1.2022 known as Nordic Morning Group).

Environmental issues are close to our hearts, and we are therefore committed to improving our environmental responsibility. In our environmental policy our focus areas are (1) ecologically sustainable procurements, (2) minimisation of waste, (3) climate neutrality and (4) energy efficiency. Edita Prima Oy has been climate neutral since June 2010. 2021 was the 14th year in a row that we calculated our carbon footprint.

In 2019 there was a very big change in Edita Prima Oy's service portfolio when postal distribution was added to our services. Previously, customers were paying postal costs directly to distribution companies, but the changes in the postal distribution market in Finland made this change possible to implement. This resulted in several new customer contracts and a big increase in revenue during the next years. This trend also continued in 2021. Due to this change in our service portfolio, we have been able to increase our revenue by 134 % since 2018.

#### 2.1.1 Dominant emission sources

Because of this big change in Edita Prima Oy's service portfolio the emission source distribution has changed a lot. In 2021 emissions from transportations represented over 84 % of the total carbon footprint. Over 99 % of the emissions from transportations come from postal distribution (printed letters). This also means that the main part of our emissions is dependent on our subcontractors' ability to decrease their emissions.

Energy and energy related activities represented 6 % of Edita Prima Oy's total emissions in 2021. This means that all the other emission sources, besides transport and energy, represented about 10 % of the total emissions.

#### 2.1.2 Changes in GHG emissions during the period

Edita Prima Oy's total emissions increased by 47 % in 2021. This is mainly due to higher volume and revenue in 2021 than in 2020. Emissions per revenue increased by 9 % in 2021.

Emissions from transportation increased by about 70 % in 2021. It is very much in line with the growth in revenue from postal distribution. Our revenue from postal distribution increased by 66 % in 2021. This means that the main reason for the increased emissions from transportation is the increase in volume. There was also an increase in the emission factor (g CO<sub>2</sub> / letter) in 2021. Since 2011 we have decreased the number of our transportation suppliers, and one of the main criteria has been the supplier's environmental performance and ability to offer us the carbon calculations regarding their services. In 2021 our main supplier has been Posti, and we have used their climate compensated transport services.

If we exclude emissions from transportations, total emissions from the other emission sources decreased by 15 % in 2021.

Emissions from district heating decreased during 2021 by 38 %. Edita Prima Oy is a tenant in both locations (production plant and the office). Over 98 % of our district heating consumption comes from our production plant. District heating consumption increased, but the emissions decreased due to change in emission factor.

Emissions from business travels decreased by 70 % mainly due to COVID19-epidemic, which in practice stopped all business travel and dramatically increased remote work. One interesting detail is that there were no business travel flights at all in 2021.

### 2.1.3 Limitations

Transportation emissions of purchased materials to printing plants are not included in the calculations. We are buying all our materials so that the suppliers pay the freights to our plants. Emissions of certain purchased services (for example health care, legal consultancy, ICT-services) are also excluded, but they represent very small share (under 1 %) of the total footprint.

### 2.1.4 Business benefits

Environmental issues are strategic to us. We want to be the leader in environmental responsibility in the graphic industry in Finland. Knowing our impact on climate change is a very important part of that vision. And we believe that it will be even more important in the future. By decreasing our own climate impact, we will be a more attractive supplier to our customers.

### 2.1.5 Good examples

During the years we have made, for example, the following actions to decrease our carbon footprint:

- We have used green electricity since 2009. This has reduced our carbon footprint enormously.
- We have also sold out the most carbon intensive parts of our production (for example Vilppula's production in December 2010).
- We have made internal arrangements so that there are tenants in our production premises. This has meant a more efficient use of the premises, and more companies to share the district heating consumption.
- We have used transportation companies that have better environmental performance.
- We have used climate compensated transportation services (for example Posti's "Green Mail").
- We have invested in a new lightning system in our production plant, which have lead to decreased electricity consumption.
- We have invested in a motion detector lightning system in the production hall. This investment means decreased electricity consumption.
- Our sales office is located near the metro station of Kalasatama (Helsinki), which means that there is a very good chance to use public transportation when commuting.
- We have invested in video conferencing equipment and software which make video meetings possible.
- We have offered a one-month public transport ticket as a benefit for all our employees.
- We have increased possibilities for remote work since 2020 (due to the COVID19-pandemic) so that all white-collar employees can work from home.
- At the end of 2021 we invested in a new paper waste management system in our production plants, which will have positive impacts on both electricity consumption and district heating consumption in 2022. (We know this for sure already in March 2022.)

We have made the following actions to decrease our carbon footprint during 2022 and into the future:

- As mentioned previously we have invested in new paper waste management system, which will mean lower electricity and district heating consumption in 2022 in our production plant.
- We have offered a one-month public transport ticket as a benefit for all our employees.

- We have increased the possibilities to work remotely from home, and we have published a remote work policy.
- We have offered a service to our biggest customers where we combine recipients' data from different sources to one mail. This is part of our print automation service. With this service customers can save both money and the environment because there will be fewer distributed envelopes.
- We have added several new digital services to our service portfolio. One of them is Kivra (digital mailbox), which aim to decrease the volume of printed letters.

### 2.1.6 Planning ahead

Our clearly biggest emission source is postal distribution (over 84 % in 2021). This is done by two subcontractors (Posti Oy and Jakeluyhtiö Suomi Oy), which are the only two players in the Finnish market. These emissions depend very much on how many big customers we have in this service segment and whether the mail distribution will be part of the customer contracts also in the future. In 2021 we had five big customers where mail distribution was included in the contract. If our customer amount will increase, then the emissions will also increase. If we lose either of those customers, our emissions will clearly decrease. The main part of the transportations is climate compensated because we use Posti's green mail services.

Our possibilities to impact the emission factor (g CO<sub>2</sub> per letter) are limited, but we can carry on with the following activities:

- We offer a service where we combine recipients' data from different sources to one mail. This means fewer envelopes and less transportations used.
- We offer a service where we add the possible mailing inserts into the data flow and print them at the same time as the letter itself is printed. This means on average less paper usage and thus decreased weight of the mailings.
- We continue our work to decrease the grammage of the paper used in transactional printing (from 90 gms to 70 gms), which means decreased volume (in kgs) in transportation.
- We offer digital alternatives (for example Kivra digital mailbox) to replace printed mail.

We have arranged our premises and rental agreements so that we are able to rent out the empty parts of the building. We will continue this process if our production volumes decrease. This will mean smaller district heating consumption.

We will continue to work remotely also after the COVID19-epidemic. Experiences in remote work have been mainly positive, and it is quite probable that employees will use this benefit also in the future.

## 2.2 Long-term goals

We had already succeeded in decreasing our carbon footprint by 88 % from 2008 to 2018. Now because of new service structure there is a discontinuity, and we have to set new targets. Our first goal was to decrease emissions per turnover excluding mail distribution.

Edita Prima's targets regarding Scope 1 and Scope 2 emissions are:

- 1) Decrease Scope 1 emissions 0,49 tonne CO<sub>2</sub> annually to the year 2031. This means that targets for Scope 1 emissions are under 9,0 tonne CO<sub>2</sub> by 2026, and under 6,6 tonne CO<sub>2</sub> by 2031.
- 2) Decrease Scope 2 emissions 5,9 tonne CO<sub>2</sub> annually to the year 2031. This means that targets for Scope 2 emissions are under 111,1 tonne CO<sub>2</sub> by 2026 and under 81,6 tonne CO<sub>2</sub> by 2031.

Scope 1 emissions come exclusively from fuels of company cars. Emission reduction will be done by defining and implementing a more ambitious company car policy. These impacts will be gradual as company cars are replaced by newer ones.

The main emission source (almost 98 % of the emissions) in Scope 2 is district heating in our production plant. Emission reduction is expected to happen both by decreasing district heating consumption and by activities of our district heating supplier (Helen Oy). We have already made an investment during the end of 2021 which should clearly decrease district heating consumption. We will also use real estate consultants to analyse and find new possibilities to decrease district heating consumption in the future.

Our district heating supplier Helen Oy has published their goals regarding carbon-neutral production. Helen's goal is to achieve fully carbon-neutral energy production by 2030. They have also set goals for 2025, which include both reducing coal using and increasing the share of renewable energy.

### 2.3 Climate compensation

Edita Prima Oy has chosen to compensate its CO<sub>2</sub> emissions by funding the Isangi Forest Conservation project in Kongo.

