



# GRI-302, 305 - based combined report 2022



JULY 12

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SoftServe

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softserve

# Total fuel consumption and Scope 1 GHG Emissions

## Direct emissions from owned or controlled sources and total natural gas consumption

Calculated in accordance with the GHG Protocol using the calculation tools available here <https://ghgprotocol.org/calculation-tools>.

The report on scope 1 greenhouse gas emissions reflects CO<sub>2</sub> emitted by the fuel combustion on site such as gas boilers, fleet vehicles and air-conditioning leaks<sup>1</sup>. On site fuel combustion amounts to m<sup>3</sup> of natural gas consumed<sup>2</sup>.

Stationary fuel consumption						
Fuel	Places	Quantity	Units	tCO <sub>2</sub> e	Index	Units
Natural gas	Chernivtsi - Office 1	323827	m <sup>3</sup>	612	0,001885	t/m <sup>3</sup>
	Ivano-Frankivsk - Office 1					
	Kharkiv - Office 2					
	Kharkiv - Office 3					
	Kyiv - Office 3					
	Kyiv - Office 4					
	Lviv - Office 2					
	Lviv - Office 9					
	Lviv - Office 12					
	Lviv - Office 14					
	Lviv - Office HQ					
	Rivne - Office 1					
	Rivne - Office 2					
	Diesel					
Total				703		

Scope 1 emissions **decreased by 43%** compared to 2021.

<sup>1</sup> Fleet vehicles are excluded due to inapplicability, air-conditioning leaks were not measured in 2022.

<sup>2</sup> Data taken from gas meters installed by the provider in the offices occupied by SoftServe.

# Electricity consumption and Scope 2 GHG Emissions

## Electricity consumption and Indirect emissions from the generation of purchased energy

Calculated in accordance with the GHG Protocol based on the [electricityMap | Live CO<sub>2</sub> emissions of electricity consumption](#) data on CO<sub>2</sub> emission indexes.

The report on scope 2 greenhouse gas emissions reflects indirect CO<sub>2</sub> emissions from electricity purchased and used by the organization.



*“Climate change continues to exacerbate the frequency and severity of natural disasters affecting more than 39 million people.”*

The UN

Indirect emissions from the generation of purchased energy are calculated on the basis of electricity consumed<sup>3</sup>.

Electricity consumed					
Place	Quantity	Units	tCO <sub>2</sub> e	Index	Units
Ukraine	4726186	kWh	923	diff	t/kWh
Poland	459450	kWh	403	diff	t/kWh
Bulgaria	303113	kWh	162	0.000536	t/kWh
Heating, air-conditioning & ventilation					
	1403183	kWh	356	diff	t/kWh
<b>Total</b>	<b>6891933</b>	<b>kWh</b>	<b>1844</b>		<b>t/kWh</b>

Scope 2 emissions **decreased by 46%** compared to 2021.

Scope 1&2 emissions **decreased by 45%** compared to 2021.

<sup>3</sup> Scope: Ukrainian, Polish, Bulgarian development centers. Other offices are excluded of the scope due to unavailability of data.

# Energy consumption outside of the organization and Scope 3 GHG Emissions

Energy consumption outside of SoftServe and indirect emissions a company is responsible for outside of its own activities (value chain emissions)

Calculated in accordance with the GHG Protocol.

The report on scope 3 greenhouse gas emissions reflects indirect CO<sub>2</sub> emissions from purchased goods and services, capital goods, upstream leased assets, waste generated in operations and business trips (BTs).



*“An effective corporate climate change strategy requires a detailed understanding of a company’s greenhouse gas (GHG) emissions.”*

*The GHG Protocol*

Indirect emissions					
Place	Quantity	Units	t CO <sub>2</sub> e	Index	Units
Purchased goods and services	38925728	USD	9026	diff	t/USD
Capital goods	35802	items	5953	diff	t/ items
	2663785	USD		diff	t/USD
Waste generated in operations	245	t	109	diff	t/t
Flights & Overland transport distance	1934046	km	199	diff	t/km
Upstream leased assets	101195	m <sup>2</sup>	1771	diff	t/m <sup>2</sup>
Total			17 060		

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# Energy and carbon intensity

## MJ/full time employees and CO<sub>2</sub>/ full time employees

Energy intensity is the measure of energy necessary for 1 full time employee to work.

$$36155519,05 \text{ MJ} / 146726 \text{ FTEs} = 246,4$$

Carbon intensity is the measure of tCO<sub>2</sub> produced per 1 full time employee.  
The report reflects Carbon Intensity for Scopes 1&2.

$$2547 \text{ tCO}_2 / 146726 \text{ FTEs} = 0.017...$$

Carbon intensity of less than 20% is the top result for non-carbon free business<sup>4</sup>. Overall carbon intensity of SoftServe has decreased compared to 2021. Scope 1&2 carbon intensity has decreased by 71%.

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<sup>4</sup> <https://bimpactassessment.net/>