



GRI-302, 305 - based combined report 2022



NOVEMBER 28

SoftServe

Authored by: Yuliya Kuvitanova

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 CO₂ emitted by the fuel combustion on site such as gas boilers, fleet vehicles and air-conditioning leaks¹.

On-site fuel combustion amounts to m³ of natural gas consumed².

Stationary fuel consumption						
Fuel	Places	Quantity	Units	tCO ₂ e	Index	Units
Natural gas	Ukraine	323827	m ³	612	diff	t/m ³
Diesel	Ukraine	31628	l	92	diff	t/l
Total				704		

Scope 1 emissions **decreased by 33%** compared to 2021.

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

² 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 CO₂ emissions of electricity consumption](#) data on CO₂ emission indexes.

The report on scope 2 greenhouse gas emissions reflects indirect CO₂ 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 consumed³.

Electricity consumed					
Place	Quantity	Units	tCO ₂ e	Index	Units
Ukraine	4726186	kWh	1043	diff	t/kWh
Poland	459450	kWh	381	diff	t/kWh
Bulgaria	303113	kWh	163	0.000538	t/kWh
Heating, air-conditioning, hot water & ventilation					
	1414880	kWh	413	diff	t/kWh
Total	6903629	kWh	2000		t/kWh

Scope 2 emissions **decreased by 9%** compared to 2021.

Scope 1&2 emissions **decreased by 16%** compared to 2021.

³ 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 CO₂ 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	tCO ₂ e	Index	Units
Purchased goods and services	Spend based method	USD	2291	diff	t/USD
Capital goods	38902	items	4805	diff	t/ items
	Spend based method	USD		diff	t/USD
Fuel- and energy-related activities	323827	m ³	155	0.2630	kg / m ³
	31628	l		0.6261	kg /liter
	5488751	kWh		diff	kg /kWh
Waste generated in operations	100	t	284	diff	kg /t
	Spend based method	USD		10.989	kg/USD
Business travel	1934047	km	293	diff	t/km
	Spend based method	USD		diff	t/USD
Upstream leased assets	6416	m ²	159	24.75	kg /m ²
Total			7987		

Energy and carbon intensity

GJ/full-time employees and CO₂/full-time employees

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

$$36\,961 \text{ GJ} / 12\,227 \text{ FTEs} = 3.023$$

Carbon intensity is the measure of tCO₂ produced per 1 full-time employee.
The report reflects Carbon Intensity for Scopes 1&2.

$$2\,704 \text{ tCO}_2 / 12\,227 \text{ FTEs} = 0.221$$

Carbon intensity of less than 20% is the top result for non-carbon free business⁴. Overall carbon intensity of SoftServe has decreased compared to 2021. Scope 1&2 carbon intensity has decreased by 31%.

⁴ <https://bimpactassessment.net/>