



**IAPM**  
Interregional Academy of  
Personnel Management



**GREENHOUSE  
GAS PROTOCOL**

**Report**  
on total SCOPE 1, 2 and SCOPE 3 carbon emissions  
in tCO<sub>2</sub>e of Interregional Academy of Personnel Management  
according the GHG's protocols corporates in 2024 year

## SCOPE 1

Type of emissions	Natural fuel (pellets) thousand tons	CO <sub>2</sub> emissions per 1 thousand tons	Carbon emissions in tCO <sub>2</sub> e
Direct air emissions from stationary sources owned by the Academy (biomass-fueled boilers)	0,659	4,68	3,084

The emissions were calculated based on the following equation in accordance with the [methodological recommendations for greenhouse gas emissions assessment approved by the other of the Ministry of Environmental Protection and Natural Resources of Ukraine No. 671 dated October 13, 2021](#).

Emissions (tCO<sub>2</sub>e)= Quantity of Fuel Consumed(t) x Emissions factor for the fuel type (petrol) (tCO<sub>2</sub>e/TeraJ) x Lower calorific value of the fuel type (petrol) (TeraJ/t)

Type of emissions	Quantity of Fuel Consumed(t)	Emissions factor for the fuel type (petrol) (tCO <sub>2</sub> /TeraJ)	Lower calorific value of the fuel type (petrol) (TeraJ/t)	Carbon emissions in tCO <sub>2</sub> e
Fuel used in vehicles - petrol	3,625	60,3	0,0443	11,129

**Thus, the total Scope 1 emission in 2024 for Interregional Academy of Personnel Management is 14,213 tCO<sub>2</sub>e.**

## SCOPE 2

Type of emissions	MW*h	Emission factor from electricity consumption (2nd class of consumers) from the national energy system of Ukraine in 2023 according to the <a href="#">Green Transition Office of the Ministry of Economy of Ukraine</a> (tCO <sub>2</sub> e/MW*h)	Carbon emissions in tCO <sub>2</sub> e
Utility services consumed - electricity	1951,634	0,332	647,942

**Total SCOPE 1 and SCOPE 2  
carbon emissions in tCO<sub>2</sub>e**

	<b>tCO<sub>2</sub>e</b>
Scope 1	3,084
	11,129
Scope 2	647,942
<b>Total</b>	<b>662,155</b>

## Scope 3

Type of emissions	Carbon emissions in tCO <sub>2</sub> e
Indirect emissions from commuting by staff, faculty, and students	127,186
Indirect emissions from usage of electronics	113,480
Indirect emissions from food wastage	18,569
Indirect emissions from waste treatment plants	6,986
Indirect emissions from paper waste	2,003
<b>Total Scope 3</b>	<b>268,224</b>

Calculation of indirect carbon emissions CO<sub>2</sub> according to the Scope 3 standard at the Interregional Academy of Personnel Management is calculated according to the [Technical Guidance for Calculating Scope 3 Emissions \(version 1.0\)](#)