Sustainable Energy Action Plan (SEAP) template

MONITORING EMISSION INVENTORY 2024

1) Inventory year | 2024

For Covenant signatories who calculate their CO2 emissions per capita, please precise here the number of inhabitants during the inventory year: **300.618**

2) Emission factors

Please tick the corresponding box:

Standard emission factors in line with the IPCC principles

LCA (Life Cycle Assessment) factors

Emission reporting unit

Please tick the corresponding box:

CO2 emissions

CO2 equivalent emissions

3) Key results of the Baseline Emission Inventory

Green cells are compulsory fields

Grey fields are non editable

A. Final energy consumption

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	FINAL ENERGY CONSUMPTION [MWh]																%
			Fossil fuels								Renewable energies						
	Electricity	Heat/ cold	Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal	Total	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																	
Municipal buildings, equipment/facilities	17451,54		38187,96		15,13								133,00	1326,00		**57113,63**	1,03
Tertiary (non municipal) buildings, equipment/facilities	173723,64		360943,47										88650,00	7836,50		**631153,61**	11,37
Residential buildings	361145,65		508653,49	9166,10	130100,00								31950,00	6224,30		**1047239,54**	18,87
Municipal public lighting	13127,43															**13127,43**	0,24
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	382004,80		1355816,16	35096,00									63000,00			**1835916,96**	33,08
Subtotal buildings, equipments/facilities and industries	**947453,06**	**0,00**	**2263601,08**	**44262,10**	**130115,13**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**183733,00**	**2614,65**	**0,00**	3571779,02	**64,37**
TRANSPORT:																	0,00
Municipal fleet			893,33	3,07		2858,75	785,04									**4540,19**	0,08
Public transport	0,00		3906,77	12902,94		11568,62										**28378,33**	0,51
Private and commercial transport	0,00			693,10		1449293,40	373655,26					120756,97				**1944398,73**	35,04
Subtotal transport	**0,00**	**0,00**	**4800,10**	**13599,11**	**0,00**	**1463720,77**	**374440,30**	**0,00**	**0,00**	**0,00**	**0,00**	**120756,97**	**0,00**	**0,00**	**0,00**	1977317,25	**35,63**
Total	**947453,06**	**0,00**	**2268401,18**	**57861,21**	**130115,13**	**1463720,77**	**374440,30**	**0,00**	**0,00**	**0,00**	**0,00**	**120756,97**	**183733,00**	**2614,65**	**0,00**	5549096,27	
% respecto del total	**17,07**		**40,88**	**1,04**	**2,34**	**26,38**	**6,75**					**2,18**	**3,31**				
Municipal purchases of certified green electricity (if any) **[MWh]:**																**kg/hab**	**18,46**
CO2 emission factor for certified green electricity purchases (for LCA approach):																	

en rojo datos estimados

B. CO2 or CO2 equivalent emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Category	CO2 emissions [t]/ CO2 equivalent emissions [t]																%
			Fossil fuels								Renewable energies						
	Electricity	Heat/cold	Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal	Total	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																	
Municipal buildings, equipment/facilities	0,00		7713,97	0,00	4,05	0,00					0,00	0,00	0,93	0,00		**7718,95**	0,60
Tertiary (non municipal) buildings, equipement/facilities	48295,17		72910,58	0,00	0,00	0,00					0,00	0,00	620,55	0,00		**121826,30**	9,53
Residential buildings	100398,49		102748,00	2080,70	34866,80	0,00					0,00	0,00	223,65	0,00		**240317,65**	18,80
Municipal public lighting	0,00		0,00	0,00	0,00	0,00					0,00	0,00	0,00	0,00		**0,00**	0,00
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	106197,33		273874,86	7966,79	0,00	0,00					0,00	0,00	441,00	0,00		**388479,99**	30,38
Subtotal buildings, equipments/facilities and industries	**254891,00**	**0,00**	**457247,42**	**10047,50**	**34870,85**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**1286,13**	**0,00**	**0,00**	758342,90	**59,31**
TRANSPORT:																	
Municipal fleet	0,00		180,45	0,70		766,15	196,26				0,00	0,00	0,00			**1143,55**	0,09
Public transport	0,00		789,17	2928,97		3100,39					0,00	0,00	0,00			**6818,53**	0,53
Private and commercial transport	0,00			157,33		388410,63	93413,82				0,00	30913,78	0,00			**512895,56**	40,11
Subtotal transport	**0,00**	**0,00**	**969,62**	**3087,00**	**0,00**	**392277,17**	**93610,08**	**0,00**	**0,00**	**0,00**	**0,00**	**30913,78**	**0,00**	**0,00**	**0,00**	520857,64	**40,74**
OTHER:																	
Waste management																**0,00**	
Waste water management																**0,00**	
Please specify here your other emissions																**0,00**	
Total	**254891,00**	**0,00**	**458217,04**	**13134,49**	**34870,85**	**392277,17**	**93610,08**	**0,00**	**0,00**	**0,00**	**0,00**	**30913,78**	**1286,13**	**0,00**	**0,00**	1278598,61	
% respecto del total	**19,94**		**35,84**	**1,03**	**2,73**	**30,68**	**7,32**					**2,42**	**0,10**				
Corresponding CO2-emission factors in [t/MWh]	**0,278**	**0,28**	**0,202**	**0,227**	**0,268**	**0,268**	**0,25**	**0,36**	**0,34**	**0,33**	**0,29**	**0,256**	**0,007**	**0**	**0**		
CO2 emission factor for electricity not produced locally [t/MWh]																	

C. Local electricity production and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated electricity (excluding ETS plants , and all plants/units > 20 MW)	Locally generated electricity [MWh]	Energy carrier input [MWh]											CO2 / CO2-eq emissions [t]	Corresponding CO2-emission factors for electricity production in [t/MWh]
		Fossil fuels					Steam	Waste	Plant oil	Other biomass	Other renewable	other		
		Natural gas	Liquid gas	Heating oil	Lignite	Coal								
Wind power													**0,00**	**0,00**
Hydroelectric power													**0,00**	**0,00**
Photovoltaic	**1.201,72**												**334,07816**	**0,278**
Combined Heat and Power														
Other													**0,00**	**0,197**
Total	**1.201,72**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**334,08**	

D. Local heat/cold production (district heating/cooling, CHPs…) and corresponding CO2 emissions

Please note that for separating decimals dot [.] is used. No thousand separators are allowed.

Locally generated heat/cold	Locally generated heat/cold [MWh]	Energy carrier input [MWh]										CO2 / CO2-eq emissions [t]	Corresponding CO2-emission factors for heat/cold production in [t/MWh]
		Fossil fuels					Waste	Plant oil	Other biomass	Other renewable	other		
		Natural gas	Liquid gas	Heating oil	Lignite	Coal							
Combined Heat and Power	**0,00**												
District Heating plant(s)	**0,00**												
Instalaciones solares térmicas en edificios municipales										1.326,00		**267,852**	**0,202**
Total												**267,85**	