Sustainable Energy Action Plan (SEAP) template

MONITORING EMISSION INVENTORY 2025

1) Inventory year 2025

For Covenant signatories who calculate their CO2 emissions per capita, please precise here the number of inhabitants during the inventory year: **302.614**

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					Total		
	Electricity	Heat/cold	Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal		%	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																		
Municipal buildings, equipment/facilities	17455,84		38375,35		13,51								133,00	1326,00		**57303,70**	1,06	
Tertiary (non municipal) buildings, equipment/facilities	166989,05		365617,60										128812,00	7836,50		**669255,15**	12,37	
Residential buildings	159866,72		508466,11	9469,40	127000,55								58680,00	6224,30		**869707,08**	16,08	
Municipal public lighting	12205,85															**12205,85**	0,23	
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	387712,77		1339306,24	42360,80									96525,00			**1865904,81**	34,50	
Subtotal buildings, equipments/facilities and industries	**744230,23**	**0,00**	**2251765,30**	**51830,20**	**127014,06**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**284150,00**	**2614,65**	**0,00**	3461604,44	**64,00**	3474376,59
TRANSPORT:																	0,00	
Municipal fleet			1079,36	5,24		2628,84	644,83									**4358,27**	0,08	
Public transport	0,00		4086,78	291,54		11122,14										**15500,46**	0,29	
Private and commercial transport	0,00			416,56		1414725,30	391380,00					120756,97				**1927278,83**	35,63	
Subtotal transport	**0,00**	**0,00**	**5166,14**	**713,34**	**0,00**	**1428476,28**	**392024,83**	**0,00**	**0,00**	**0,00**	**0,00**	**120756,97**	**0,00**	**0,00**	**0,00**	1947137,56	**36,00**	
Total	**744230,23**	**0,00**	**2256931,44**	**52543,54**	**127014,06**	**1428476,28**	**392024,83**	**0,00**	**0,00**	**0,00**	**0,00**	**120756,97**	**284150,00**	**2614,65**	**0,00**	5408742,00		
% respecto del total	**13,76**		**41,73**	**0,97**	**2,35**	**26,41**	**7,25**					**2,23**	**5,25**					
Municipal purchases of certified green electricity (if any) **[MWh]:**																**kg/hab**	**17,87**	
CO2 emission factor for certified green electricity purchases (for LCA approach):																		

transporte: restar lo municipal de lo privado

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					Total	
	Electricity	Heat/cold	Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal	Geothermal		%
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:																	
Municipal buildings, equipment/facilities	0,00		7751,82	0,00	3,62	0,00					0,00	0,00	0,93	0,00		**7756,37**	0,64
Tertiary (non municipal) buildings, equipement/facilities	46422,96		73854,76	0,00		0,00					0,00	0,00	901,68	0,00		**121179,40**	9,99
Residential buildings	44442,95		102710,15	2149,55	34036,15	0,00					0,00	0,00	410,76	0,00		**183749,56**	15,14
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)	107784,15		270539,86	9615,90	0,00	0,00					0,00	0,00	675,68	0,00		**388615,59**	32,02
Subtotal buildings, equipments/facilities and industries	**198650,05**	**0,00**	**454856,59**	**11765,46**	**34039,77**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**1989,05**	**0,00**	**0,00**	**701300,92**	**57,79**
TRANSPORT:																	
Municipal fleet	0,00		218,03	1,19		704,53	161,21				0,00	0,00	0,00			**1084,96**	0,09
Public transport	0,00		825,53	66,18		2980,73					0,00	0,00	0,00			**3872,44**	0,32
Private and commercial transport	0,00			94,56		379146,38	97845,00				0,00	30913,78	0,00			**507999,72**	41,86
Subtotal transport	**0,00**	**0,00**	**1043,56**	**161,93**	**0,00**	**382831,64**	**98006,21**	**0,00**	**0,00**	**0,00**	**0,00**	**30913,78**	**0,00**	**0,00**	**0,00**	**512957,12**	**42,27**
OTHER:																	
Waste management																**0,00**	
Waste water management																**0,00**	
Please specify here your other emissions																**0,00**	
Total	**198650,05**	**0,00**	**455900,15**	**11927,38**	**34039,77**	**382831,64**	**98006,21**	**0,00**	**0,00**	**0,00**	**0,00**	**30913,78**	**1989,05**	**0,00**	**0,00**	**1213568,08**	
% respecto del total	**16,37**		**37,57**	**0,98**	**2,80**	**31,55**	**8,08**					**2,55**	**0,16**				
Corresponding CO2-emission factors in [t/MWh]	**0,278**	**0,278**	**0,202**	**0,227**	**0,268**	**0,268**	**0,25**	**0,364**	**0,34**	**0,33**	**0,287**	**0,256**	**0,007**	**0**	**0**		
CO2 emission factor for electricity not produced locally [t/MWh]																	

C. Local electricity production and corresponding CO2 emissions

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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	**1.518,38**												**422,10964**	**0,278**
Combined Heat and Power														
Other													**0,00**	**0,197**
Total	**1.518,38**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**0,00**	**422,11**	

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

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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**	

4) Other CO2 emission inventories

If other inventory(ies) have been carried out, please click here ->

Otherwise go to the last part of the SEAP template -> dedicated to your Sustainable Energy Action Plan

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