



Sustainable Energy Action Plan (SEAP) template

BASELINE EMISSION INVENTORY

1) Inventory year

2010

[Instructions](#)

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

315522

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]														Total				
	Electricity	Heat/cold	Fossil fuels							Renewable energies									
			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	21996,59		22293,10													127,00	1516,07		45.932,76
Tertiary (non municipal) buildings, equipment/facilities	210750,00		331473,53																542.223,53
Residential buildings	416063,93		1231644,23	20230,00	181404,00														1.849.342,16
Municipal public lighting	34032,60																		34.032,60
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	647043,71		1444734,65	88897,00															2.180.675,36
Subtotal buildings, equipments/facilities and industries	1329886,83	0,00	3030145,51	109127,00	181404,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	127,00	1516,07	0,00	4.652.206,41
TRANSPORT:																			
Municipal fleet						28887,57										1444,38			30.331,95
Public transport			86467,36			13109,92										655,50			100.232,78
Private and commercial transport						1745759,00	402333,00												2.235.379,95
Subtotal transport			86467,36			1787756,49	402333,00												2.365.944,67
Total	1329886,83	0,00	3030145,51	195594,36	181404,00	1787756,49	402333,00						1394,21	17460,00	1516,07				7.018.151,08

estimación

4.652.206,41

Municipal purchases of certified green electricity (if any) [MWh]:	
CO2 emission factor for certified green electricity purchases (for LCA approach):	

B. CO2 or CO2 equivalent emissions

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Category	CO2 emissions [t]/ CO2 equivalent emissions [t]														Total					
	Electricity	Heat/cold	Fossil fuels							Renewable energies										
			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	6115,05	0,00	4503,21	0,00	0,00											0,89	0,00		10.619,15	
Tertiary (non municipal) buildings, equipment/facilities	58588,50	0,00	66957,65	0,00	0,00														125.546,15	
Residential buildings	115665,77	0,00	248792,13	4592,21	48434,87														417.484,99	
Municipal public lighting	9461,06	0,00	0,00	0,00	0,00														9.461,06	
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	179878,15	0,00	291836,40	20179,62	0,00														491.894,17	
Subtotal buildings, equipments/facilities and industries	369708,54	0,00	612089,39	24771,83	48434,87	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,89	0,00	0,00	0,00	1.055.005,52	
TRANSPORT:																				
Municipal fleet						7712,98	0,00									369,76			8.082,74	
Public transport			19628,09			3500,35					0,00					167,81			23.296,25	
Private and commercial transport						466117,65	100180,92												588.644,29	
Subtotal transport	0,00	0,00	0,00	19628,09	0,00	477330,98	100180,92	0,00	0,00	0,00	0,00	0,00	0,00	0,00	22883,28	0,00	0,00	0,00	620.023,27	
OTHER:																				
Waste management																				
Waste water management																				
Please specify here your other emissions																				
Total	369708,54	0,00	612089,39	44399,92	48434,87	477330,98	100180,92	0,00	0,00	0,00	0,00	0,00	22883,28	0,89	0,00	0,00	0,00	0,00	1.675.009,61	

1055005,52

620023,27

1.675.009,61

Corresponding CO2-emission factors in [t/MWh]	0,278	0,278	0,202	0,227	0,267	0,267	0,249	0,364	0,34	0,33	0,287	0,256	0,007	0	0	0	0	0	0
CO2 emission factor for electricity not produced locally [t/MWh]	0,333																		

kg/hab

5,31

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					Renewable energies												
		Natural gas	Liquid gas	Heating oil	Lignite	Coal	Steam	Waste	Plant oil	Other biomass	Other renewable			other					
Wind power																			
Hydroelectric power																			
Photovoltaic	97,35																		19,17795
Combined Heat and Power																			
Other																			
Total	97,35																		0,197

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					Renewable energies												
		Natural gas	Liquid gas	Heating oil	Lignite	Coal	Waste	Plant oil	Other biomass	Other renewable	other								
Combined Heat and Power	0																		
District Heating plant(s)	0																		
Other																			
Please specify:	0																		
Total	0																		

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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