



Sustainable Energy Action Plan (SEAP) template

MONITORING EMISSION INVENTORY 2014

1) Inventory year

2014

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

306830

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	17703,49		33831,67										504,00	11923,60			63.962,76
Tertiary (non municipal) buildings, equipment/facilities	93326,32		231450,05										4606,00	4149,50			333.531,87
Residential buildings	314455,03		998652,60	32985,00	145166,00								4536,00	6224,30			1.502.018,93
Municipal public lighting	31411,73																31.411,73
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	416850,00		1125368,03	38992,50									29218,00				1.610.428,53
Subtotal buildings, equipments/facilities and industries	873746,57	0,00	2389302,35	71977,50	145166,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	38864,00	22297,40	0,00	0,00	3.541.353,82
TRANSPORT:																	
Municipal fleet	6,80					10730,42	309,75						536,52				11.583,49
Public transport	23,73			71090,67		16484,28							824,21				88.422,89
Private and commercial transport	6,57			1168,00		1366960,30	298830,25						68348,02				1.735.313,14
Subtotal transport	37,10	0,00	0,00	72258,67	0,00	1394175,00	299140,00	0,00	0,00	0,00	0,00	0,00	69708,75	0,00	0,00	0,00	1.835.319,52
Total	873783,67	0,00	2389302,35	144236,17	145166,00	1394175,00	299140,00	0,00	0,00	0,00	0,00	0,00	69708,75	38864,00	22297,40	0,00	5.376.673,34

Municipal purchases of certified green electricity (if any) [MWh]:

CO2 emission factor for certified green electricity purchases (for LCA approach):

estimación

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	4921,57		6834,00	0	0,00	0							0	3,53	0,00		11.759,10
Tertiary (non municipal) buildings, equipment/facilities	25944,72		46752,91	0	0,00	0							0	32,24	0,00		72.729,87
Residential buildings	87418,50		201727,83	7487,595	38904,49	0							0	31,75	0,00		335.570,16
Municipal public lighting	8732,46		0,00	0	0,00	0							0	0,00	0,00		8.732,46
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	115884,30		227324,34	8851,2975	0,00	0							0	204,53	0,00		352.264,47
Subtotal buildings, equipments/facilities and industries	242901,55	0,00	482639,07	16338,89	38904,49	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	272,05	0,00	0,00	781.056,05
TRANSPORT:																	
Municipal fleet	1,89			0,00		2875,75	77,4375						0	137,349376	0		3.092,43
Public transport	6,60			16137,58		4417,79							0	210,998784	0		20.772,96
Private and commercial transport	1,83			265,14		366345,36	74707,563						0	17497,0918	0		458.816,98
Subtotal transport	10,31	0,00	0,00	16402,72	0,00	373638,90	74785,00	0,00	0,00	0,00	0,00	0,00	0,00	17845,44	0,00	0,00	482.682,37
OTHER:																	
Waste management																	0,00
Waste water management																	0,00
Please specify here your other emissions																	0,00
Total	242911,86	0,00	482639,07	32741,61	38904,49	373638,90	74785,00	0,00	0,00	0,00	0,00	0,00	0,00	17845,44	272,05	0,00	1.263.320,35

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]

0,333

kg/hab

4,12

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	0
Hydroelectric power													0	0
Photovoltaic	378,31												105,17018	0,278
Combined Heat and Power													0	0,197
Other													0	0,197
Total	378,31	0	0	0	0	0	0	0	0	0	0	0	105,17018	

418,06818

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													
District Heating plant(s)	0													
Instalaciones solares térmicas en edificios municipales	0										1549		312,898	0,202
Total	0												312,898	

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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