

## MONITORING EMISSION INVENTORY 2019

### 1) Inventory year

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

298.412

### 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	Fossil fuels							Renewable energies										
		Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal						
<b>BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:</b>																			
Municipal buildings, equipment/facilities	17518,85	40466,33											393,50	2044,60				60423,28	0,96
Tertiary (non municipal) buildings, equipment/facilities	89177,40	419715,88											100890,00	7836,50				617619,78	9,78
Residential buildings	263899,82	616440,40	13644,10	126749,28									14210,00	6224,30				1041167,90	16,48
Municipal public lighting	16864,04																	16864,04	0,27
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	536547,66	1777450,75	44517,80										48130,00					2406646,21	38,09
<b>Subtotal buildings, equipments/facilities and industries</b>	<b>924007,77</b>	<b>2854073,36</b>	<b>58161,90</b>	<b>126749,28</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>163623,50</b>	<b>2614,65</b>			<b>4129230,46</b>	<b>65,36</b>	<b>4142721,21</b>
<b>TRANSPORT:</b>																			
Municipal fleet					11315,83	540,74							565,79					12422,36	0,20
Public transport	531,23		54077,59		21581,77								1079,09					77269,68	1,22
Private and commercial transport	0,00		332,80		1669302,40	345685,26							83465,12					2098785,58	33,22
<b>Subtotal transport</b>	<b>531,23</b>	<b>0,00</b>	<b>54410,39</b>	<b>0,00</b>	<b>1702200,00</b>	<b>346226,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>85110,00</b>	<b>0,00</b>	<b>0,00</b>			<b>2188477,62</b>	<b>34,64</b>
<b>Total</b>	<b>924539,00</b>	<b>2854073,36</b>	<b>112572,29</b>	<b>126749,28</b>	<b>1702200,00</b>	<b>346226,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>85110,00</b>	<b>163623,50</b>	<b>2614,65</b>			<b>6317708,08</b>	
<b>% respecto del total</b>	<b>14,63</b>	<b>45,18</b>	<b>1,78</b>	<b>2,01</b>	<b>26,94</b>	<b>5,48</b>							<b>1,35</b>	<b>2,59</b>					<b>21,17</b>
Municipal purchases of certified green electricity (if any) [MWh]:																			
CO2 emission factor for certified green electricity purchases (for LCA approach):																			

corrección datos AUVASA

#### B. CO2 or CO2 equivalent emissions

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Category	CO2 emissions [t]/ CO2 equivalent emissions [t]													Total	%				
	Electricity	Fossil fuels							Renewable energies										
		Natural gas	Liquid gas	Heating Oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Plant oil	Biofuel	Other biomass	Solar thermal						
<b>BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES:</b>																			
Municipal buildings, equipment/facilities	4870,24	8174,20	0,00	0,00	0,00								0,00	0,00	2,75	0,00		13047,19	0,89
Tertiary (non municipal) buildings, equipment/facilities	24791,32	84782,61	0,00	0,00	0,00								0,00	0,00	706,23	0,00		110280,15	7,56
Residential buildings	73364,15	124520,96	3097,21	33968,81	0,00								0,00	0,00	99,47	0,00		235050,60	16,12
Municipal public lighting	4688,20	0,00	0,00	0,00	0,00								0,00	0,00	0,00	0,00		4688,20	0,32
Industries (excluding industries involved in the EU Emission trading scheme - ETS)	149160,25	359045,05	10105,54	0,00	0,00								0,00	0,00	336,91	0,00		518647,75	35,56
<b>Subtotal buildings, equipments/facilities and industries</b>	<b>256874,16</b>	<b>576522,82</b>	<b>13202,75</b>	<b>33968,81</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>1145,36</b>	<b>0,00</b>			<b>881713,90</b>	<b>60,46</b>	
<b>TRANSPORT:</b>																			
Municipal fleet	0,00		0,00		3032,64	135,19							0,00	144,84	0,00			3312,67	0,23
Public transport	147,68		12275,61		5783,91								0,00	276,25	0,00			18483,46	1,27
Private and commercial transport	0,00		75,55		447373,04	86421,32							0,00	21367,07	0,00			555236,97	38,07
<b>Subtotal transport</b>	<b>147,68</b>	<b>0,00</b>	<b>12351,16</b>	<b>0,00</b>	<b>456189,60</b>	<b>86556,50</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>21788,16</b>	<b>0,00</b>	<b>0,00</b>			<b>577033,10</b>	<b>39,57</b>
<b>OTHER:</b>																			
Waste management																			0,00
Waste water management																			0,00
Please specify here your other emissions																			0,00
<b>Total</b>	<b>257021,84</b>	<b>576522,82</b>	<b>25553,91</b>	<b>33968,81</b>	<b>456189,60</b>	<b>86556,50</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>21788,16</b>	<b>1145,36</b>	<b>0,00</b>			<b>1458373,54</b>	
<b>% respecto del total</b>	<b>17,62</b>	<b>39,53</b>	<b>1,75</b>	<b>2,33</b>	<b>31,28</b>	<b>5,94</b>							<b>1,49</b>	<b>0,08</b>					
Corresponding CO2-emission factors in [t/MWh]	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						
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	
		Fossil fuels				Steam	Waste	Plant oil	Other biomass	Other renewable	other			
		Liquid gas	Heating oil	Lignite	Coal									
Wind power													0,00	0,00
Hydroelectric power													0,00	0,00
Photovoltaic	379,89												105,60942	0,278
Combined Heat and Power													0,00	0,197
<b>Total</b>	<b>379,89</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>105,61</b>	

#### 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		
		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
<b>Total</b>													<b>267,85</b>	

### 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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