

MONITORING EMISSION INVENTORY 2020

1) Inventory year

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

299.265

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 | | | | | |
| BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES: | | | | | | | | | | | | | | | | | |
| Municipal buildings, equipment/facilities | 15482,55 | 37469,86 | | | | | | | | | | | 331,58 | 2044,60 | 55328,59 | 0,98 | |
| Tertiary (non municipal) buildings, equipment/facilities | 88208,99 | 58550,68 | | | | | | | | | | | 96390,00 | 7836,50 | 777986,17 | 13,80 | |
| Residential buildings | 275960,04 | 628630,90 | 13423,30 | 111013,51 | | | | | | | | | 21163,00 | 6224,30 | 1056415,05 | 18,74 | |
| Municipal public lighting | 15962,33 | | | | | | | | | | | | | | 15962,33 | 0,28 | |
| Industries (excluding industries involved in the EU Emission trading scheme - ETS) | 475251,36 | 1538255,71 | 42061,20 | | | | | | | | | | 52026,00 | | 2107594,27 | 37,39 | |
| Subtotal buildings, equipments/facilities and industries | 870865,27 | 2789907,15 | 55484,50 | 111013,51 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 169910,58 | 2614,65 | 3999795,66 | 70,95 | |
| TRANSPORT: | | | | | | | | | | | | | | | | | |
| Municipal fleet | | | | | 10906,77 | 525,67 | | | | | | | 545,34 | | 11977,78 | 0,21 | |
| Public transport | 0,00 | | 39867,44 | | 15228,94 | | | | | | | | 761,45 | | 55857,83 | 0,99 | |
| Private and commercial transport | 0,00 | | 823,20 | | 1269941,44 | 235341,59 | | | | | | | 63497,07 | | 1569603,30 | 27,84 | |
| Subtotal transport | 0,00 | 0,00 | 40690,64 | 0,00 | 1296077,15 | 235867,26 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 64803,86 | 0,00 | 1637438,91 | 29,05 | |
| Total | 870865,27 | 2789907,15 | 96175,14 | 111013,51 | 1296077,15 | 235867,26 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 64803,86 | 169910,58 | 2614,65 | 5637234,57 | |
| % respecto del total | 15,45 | 49,49 | 1,71 | 1,97 | 22,99 | 4,18 | | | | | | | 1,15 | 3,01 | | | |
| Municipal purchases of certified green electricity (if any) [MWh]: | | | | | | | | | | | | | | | | 18,84 | |
| CO2 emission factor for certified green electricity purchases (for LCA approach): | | | | | | | | | | | | | | | | | |

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] | | | | | | | | | | | | | 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 | | | |
| BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES: | | | | | | | | | | | | | | | |
| Municipal buildings, equipment/facilities | 0,00 | 7568,91 | 0,00 | 0,00 | 0,00 | | | | | 0,00 | 0,00 | 2,32 | 0,00 | 7571,23 | 0,60 |
| Tertiary (non municipal) buildings, equipment/facilities | 24522,10 | 118281,24 | 0,00 | 0,00 | 0,00 | | | | | 0,00 | 0,00 | 674,73 | 0,00 | 143478,07 | 11,28 |
| Residential buildings | 76716,89 | 126983,44 | 3047,09 | 31083,78 | 0,00 | | | | | 0,00 | 0,00 | 148,14 | 0,00 | 237979,35 | 18,71 |
| 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) | 132119,88 | 310727,65 | 9547,89 | 0,00 | 0,00 | | | | | 0,00 | 0,00 | 364,18 | 0,00 | 452759,61 | 35,59 |
| Subtotal buildings, equipments/facilities and industries | 233358,87 | 563561,24 | 12594,98 | 31083,78 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 1189,37 | 0,00 | 841788,25 | 66,16 |
| TRANSPORT: | | | | | | | | | | | | | | | |
| Municipal fleet | 0,00 | | 0,00 | | 2912,11 | 131,42 | | | | 0,00 | 139,61 | 0,00 | | 3183,13 | 0,25 |
| Public transport | 0,00 | | 9049,91 | | 4066,13 | | | | | 0,00 | 194,93 | 0,00 | | 13310,97 | 1,05 |
| Private and commercial transport | 0,00 | | 186,87 | | 339074,36 | 58835,40 | | | | 0,00 | 16255,25 | 0,00 | | 414351,88 | 32,57 |
| Subtotal transport | 0,00 | 0,00 | 9236,78 | 0,00 | 346052,60 | 58966,82 | 0,00 | 0,00 | 0,00 | 0,00 | 16589,79 | 0,00 | 0,00 | 430845,98 | 33,86 |
| OTHER: | | | | | | | | | | | | | | | |
| Waste management | | | | | | | | | | | | | | 0,00 | |
| Waste water management | | | | | | | | | | | | | | 0,00 | |
| Please specify here your other emissions | | | | | | | | | | | | | | | |
| Total | 233358,87 | 563561,24 | 21831,76 | 31083,78 | 346052,60 | 58966,82 | 0,00 | 0,00 | 0,00 | 0,00 | 16589,79 | 1189,37 | 0,00 | 1272260,77 | |
| % respecto del total | 18,34 | 44,30 | 1,72 | 2,44 | 27,20 | 4,63 | | | | | 1,30 | 0,09 | | | |
| Corresponding CO2-emission factors in [t/MWh] | 0,278 | 0,202 | 0,227 | 0,28 | 0,267 | 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 |
| Total | 379,89 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 105,61 | |

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 | |
| 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 |
| 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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