

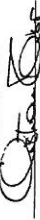
Spett.le Comune di Mezzocorona
Piazza della Chiesa, 1
38016 Mezzocorona
c.a. ing. Dora Pasquale

Oggetto: Estratto dei dati di Monitoraggio del PAES di Mezzocorona

Si riportano gli estratti delle diverse sezioni dell'area dedicata al Comune di Mezzocorona nella pagina internet del Patto dei Sindaci (www.pattodeisindaci.eu), in cui sono stati riportati i dati relativi al piano di monitoraggio effettuato.

Trento, lì 10/09/2015

Ing. Christian Tiso



**ESTRATTO DEL PIANO DI MONITORAGGIO
DEL PIANO D'AZIONE PER L'ENERGIA
SOSTENIBILE DEL COMUNE DI
MEZZOCORONA**

PAES s.r.l.

sede legale: Via delle Piepoli 85, 38123 - Trento (TN) tel. 0296032231, fax 0461 1860161
e-mail: christian.tiso@paes.eu - P.I.C.F. 02243200223

EMISSION INVENTORY – INVENTARIO DELLE EMISSIONI

Emission Inventory

1) Inventory year 2014

2) Number of inhabitants in the inventory year 2014

3) Emission factor 1000

4) Reporting unit tCO₂e

5) Methodological notes

A. Final energy consumption

3) Buildings, equipment facilities and industries

- ☒ Municipal buildings, municipalities/facilities
- ☒ Tertiary (non municipal) buildings, equipment/facilities
- ☒ Residential buildings
- ☒ Public lighting

4) Industry

- ☒ Industry Non-ETS
- ☒ Industry ETS

5) Transport

- ☒ Municipal fleet
- ☒ Public transport
- ☒ Private and commercial transport

6) Agriculture, Forestry, Fisheries

* : Government Key Sectors

EIR subtotals

Sector	Final energy consumption (twh)					Renewable energy			Total
	Electricity	Heat/Cool	Gas	Other	Other	Electricity	Heat/Cool	Other	
Municipal buildings, equipment/facilities	255.86	0	770.34	0	0	0	0	0	1026.20
Municipal buildings, municipalities/facilities	5136	0	3941	0	0	0	0	0	9077
Tertiary (non municipal) buildings, equipment/facilities	4417	0	11452	0	0	0	0	0	15869
Residential buildings	538.63	0	0	0	0	0	0	0	538.63
Public lighting	2228	0	16607	0	0	0	0	0	18835
Industry Non-ETS	60211.84	0	4717.2	0	0	0	0	0	64929.04
Industry ETS	3172	0	25.96	0	0	0	0	0	3197.96
Transport	0	0	0	0	0	0	0	0	0
Municipal fleet	0	0	0	0	0	0	0	0	0
Public transport	0	0	0	0	0	0	0	0	0
Private and commercial transport	0	0	0	0	0	0	0	0	0
Agriculture, Forestry, Fisheries	0	0	0	0	0	0	0	0	0
Total	68223.2	0	46173.5	0	0	0	0	0	114396.7

PAES srl

sede legale: Via delle Regole 85, 38123 - Trento (TN) tel. 0461.1860161
e-mail: emission.1860@paes.eu - P/CF 0224.200223

B. Energy supply

Municipal purchases

- ☒ Certified green electricity purchased

Local renewable electricity plants

- ☐ Wind
- ☐ Hydroelectric
- ☒ Photovoltaics
- ☐ Geothermal

Local electricity production

- ☐ Combined heat and power
- ☐ Other

Local heat/cold production

- ☐ Combined heat and power
- ☐ District heating (heat only)
- ☐ Other

B2. Local renewable electricity production

- ☐ Please note that for separating decimals dot (.) is used. Its thousand separators are allowed.

Local renewable electricity plants (ETS and large scale plants > 30 MW and non-municipal)		Renewable electricity (twh)	CO ₂ emissions factor (t/wh produced)
Photovoltaics		2963	0

C. CO₂ emissionsC1. Please insert the CO₂ emission factors adopted [t/MWh]

- ☐ If you would like to use default emission factors, please select them from the drop down menu.

- ☐ Please note that for separating decimals dot (.) is used. Its thousand separators are allowed.

Sector	Final fuel					Renewable energy			Total
	Electricity	Heat/Cool	Gas	Other	Other	Electricity	Heat/Cool	Other	
Municipal buildings, equipment/facilities	123.94	0	104.65	0	0	0	0	0	228.59
Municipal buildings, municipalities/facilities	2489.21	0	1907.86	0	0	0	0	0	4397.07
Tertiary (non municipal) buildings, equipment/facilities	2133.12	0	3735.58	0	0	0	0	0	5868.7
Residential buildings	255.84	0	0	0	0	0	0	0	255.84
Public lighting	25238.65	0	3226.73	0	6740.36	0	0	0	35195.74
Industry Non-ETS	30211.84	0	8125	0	6740.36	0	0	0	45077.2
Industry ETS	15.21	0	0	0	5.92	0	0	0	21.13
Transport	0	0	0	0	0	0	0	0	0
Municipal fleet	0	0	0	0	0	0	0	0	0
Public transport	0	0	0	0	0	0	0	0	0
Private and commercial transport	0	0	0	0	0	0	0	0	0
Agriculture, Forestry, Fisheries	0	0	0	0	0	0	0	0	0
Total	30247.4	0	8125	122.12	6740.36	0	0	0	45334.88

Your Emission Inventory

Sector	Final fuel					Renewable energy			Total
	Electricity	Heat/Cool	Gas	Other	Other	Electricity	Heat/Cool	Other	
Municipal buildings, equipment/facilities	123.94	0	104.65	0	0	0	0	0	228.59
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Transport	0	0	0	0	0	0	0	0	0
Municipal fleet	0	0	0	0	0	0	0	0	0
Public transport	0	0	0	0	0	0	0	0	0
Private and commercial transport	0	0	0	0	0	0	0	0	0
Agriculture, Forestry, Fisheries	0	0	0	0	0	0	0	0	0
Total	30247.4	0	8125	122.12	6740.36	0	0	0	45334.88

Additional comments

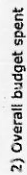
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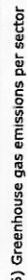
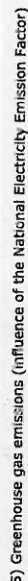
LOCAL ELECTRICITY PRODUCTION											
Hydroelectric power plant	Other	Local authority	2012	2020	Ongoing	3500000	0	2943	1421.47	3474.48	0
Installation of a photovoltaic plant on the Mezzacorona	Photovoltaics	Private society	2011	2011	Completed	0	0	14.73	7.12	0	0
Installation of photovoltaic plants on private roofs	Photovoltaics	Private sector	2007	2012	Completed	0	0	1942.05	936.39	0	0
Installation of photovoltaic plants on private roofs	Photovoltaics	Private sector	2007	2012	Ongoing	0	0	1991.72	962	0	0
Installation of photovoltaic plants on municipal buildings managed by third parties	Photovoltaics	Public authority	2007	2012	Completed	0	0	4.04	1.95	0	0
Installation of photovoltaic plants on municipal buildings managed by third parties	Photovoltaics	Public authority	2007	2020	Ongoing	0	0	297.30	143.53	0	0
LOCAL HEAT/COLD PRODUCTION											
Biomass or cogeneration heat power plant	District heating/cooling plant	Third party	2015	2020	Ongoing	1535500	0	698.48	188.51	0	0
OTHERS											
Deployment of an Energy meter	Other	Local authority	2013	2013	Postponed	40000	0	0	0	0	0
TOTAL											
						0	0	19517.41	7892.02	13497.82	0

TERTIARY BUILDINGS, EQUIPMENT/FACILITIES, RESIDENTIAL BUILDINGS											
Replacement of 10% of the residential energy for space heating and hot water	Renewable	Other	2013	2020	Ongoing	0	0	500	161	0	0
Installation of thermostatic valves	Energy efficient envelope	Private sector	2016	2020	Not started	0	0	200	161	0	0
Replacement of lamps with high efficiency ones	Lighting systems	Private sector	2013	2020	Ongoing	0	0	940.61	454	0	0
Replacement antiquated appliances	Energy efficient appliances	Private sector	2013	2020	Ongoing	0	0	680	328	0	0
PUBLIC LIGHTING											
Renewal of the municipal public lighting with high efficiency lighting	Energy efficient	Public authority	2013	2020	Ongoing	0	0	337	163	0	0
INDUSTRY											
extension of natural gas network and substitution of oil boiler with condensation boiler	Energy efficiency in industrial processes	Third party	2013	2020	Postponed	0	0	0	2176.94	0	0
Energy Consumption Reductions	Energy efficiency in industrial processes	Not applicable	2007	2014	Completed	0	0	10111	4883.60	0	0
TRANSPORT											
Replacement of 2 municipal vehicles with two more efficient	Cleaner/efficient vehicles	Other	2011	2011	Postponed	0	0	2	0.65	0	0
Renewal of the private fleet	Cleaner/efficient vehicles	Not possible	2013	2020	Ongoing	0	0	0	584.33	0	0
Replacement of 1 municipal vehicle with an electric bike and an electric scooter	Cleaner/efficient vehicles	Awareness raising/training	2015	2015	Postponed	0	0	0	0.36	0	0
Electric vehicle sharing	Electric vehicles (infrastructure)	Public authority	2015	2018	Ongoing	50000	0	0	0	0	0

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8) Final energy consumption per energy carrier

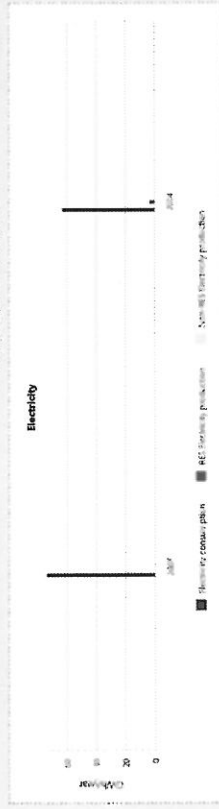
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9) Local energy production

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Share of local energy production to overall final energy consumption



Observations:

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OVERALL STRATEGY – STRATEGIA GLOBALE

1) Overall CO₂ reduction target

2020 target

Baseline Year

Reduction target type

Population estimated by 2020

Large target target

Target Year

These classes

2) Vision

3) Conclusion and organisational structures created/assigned

The city administration will monitor & supported by external consultants

4) Staff capacity allocated

SEAP preparation:

SEAP implementation:

Full time equivalent jobs (s)

Local authority

Local/regional energy agency

External consultant

Covenant Territorial Coordinator

Other

one person

5) Involvement of stakeholders and citizens

public meetings – with citizens and stakeholders and others.

6) Overall estimated budget for the implementation of your SEAP

Local Authority*

Other Actors*

Budget spent so far (€)

Investment

Non-investment

Overall budget foreseen for SEAP implementation (€)

Investment

Non-investment

1800000

Total Implementation cost

Time period

2013

2014

2015

2016

2017

2018

2019

2020

years

at least one checkbox is mandatory

7) Foreseen financing sources for the implementation of your SEAP

Please grade on %

☒ public

☒ Local Authority's own resources

☒ National Funds and Programmes

☒ EU Funds and Programmes

☒ private

☒ Private

100
0
0
10

8) Monitoring process

not implemented

Please rate (little/fair/strong/not applicable) the main problems encountered during SEAP implementation, either overall or by key Covenant sector:

Problem	Overall	Transport	Health	Energy	Environment
Limited financial resources	Strong				
Absence of a weak regulatory framework	Fair				
Lack of technical expertise	Fair				
Lack of support from stakeholders	Fair				
Changes in the local political priorities	Strong				
Incompatibility with national policy orientations	Fair				
Immature or high cost technologies	Little				

Additional comments

