

Relazione attività di monitoraggio ed aggiornamento del PAES di Mezzocorona

PAES s.r.l.

PAES s.r.l.

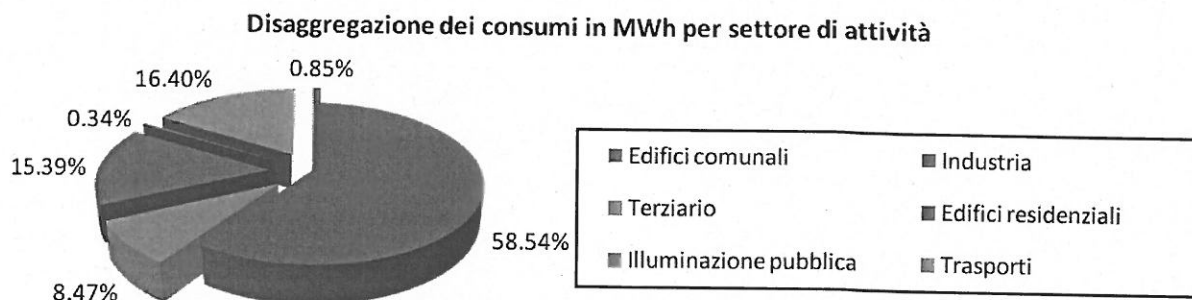
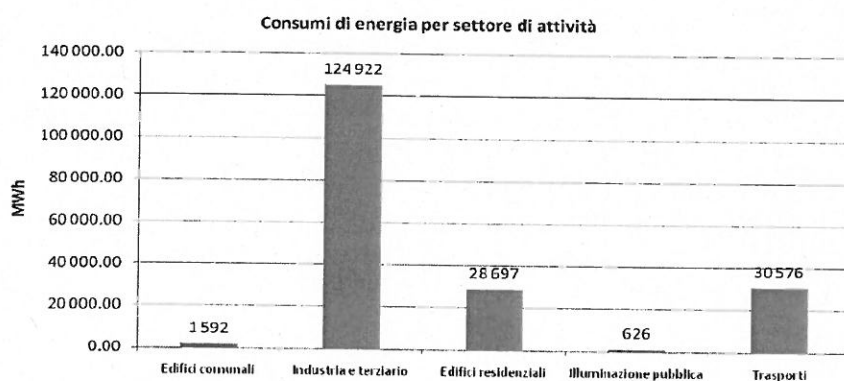
Pianificazione Ambientale Energetica Sostenibile.

Aggiornamento e Monitoraggio del PAES di Mezzocorona	3
1.1 Ricalcolo Baseline di riferimento.....	3
1.2 Verifica delle criticità segnalate dal Feedback Report del JRC	3
1.3 Monitoraggio Emissioni di CO2 al 2014	4
1.4 Ridefinizione Piano di Azione	4

Aggiornamento e Monitoraggio del PAES di Mezzocorona

1.1 Ricalcolo Baseline di riferimento

Dall'analisi dei dati forniti da Dolomiti Reti e AIR per l'anno 2014, relativi ai consumi di energia elettrica e di gas naturale sul territorio comunale di Mezzocorona, è emerso che la redazione della baseline fatta nel 2012, aveva sottostimato dei consumi (come peraltro segnalato dal feedback report del JRC che segnalava come il consumo elettrico procapite del Comune di Mezzocorona fosse molto inferiore, circa la metà, rispetto al consumo medio di riferimento dai dati EUROSTAT). Si è quindi provveduto a ridefinire la baseline di riferimento al 2006 con i nuovi dati e con un aumento delle emissioni di riferimento a 61.978 t CO₂/anno.



1.2 Verifica delle criticità segnalate dal Feedback Report del JRC

Il Feedback report inviato dal JRC nel corso del gennaio 2014 aveva chiesto alcune correzioni ai dati caricati nel database del sito www.eumayors.eu, in particolare laddove tali dati differissero dal documento in formato pdf.

La maggior parte delle correzioni era dovuta ad errori materiali ed alla scelta fatta di depennare alcune azioni dal PAES successivamente al suo caricamento.

Il lavoro di aggiornamento del PAES ha permesso di dare risposta puntuale a tutte le criticità individuate e di correggere i dati caricati all'interno del sito.

In allegato si riporta il documento JRC con note sintetiche relativamente a quanto effettuato.

1.3 Monitoraggio Emissioni di CO₂ al 2014

A partire dai dati forniti da Dolomiti Reti ed AIR, oltre che dai dati forniti da ACI, si sono calcolate le emissioni al 2014 per tutti i settori di interesse del PAES (edifici ed impianti del Comune, settore residenziale, settore terziario, settore industriale, trasporto pubblico e privato).

L'inventario delle emissioni al 2014 è complessivamente pari a

53.595 tCO₂/anno

con una riduzione del 13,5% delle emissioni rispetto al 2007.

1.4 Ridefinizione Piano di Azione

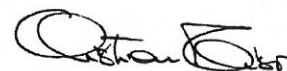
A partire dall'analisi di quanto realizzato dal Comune e dai privati in termini di interventi di efficientamento energetico e riduzione dei consumi, si è verificato lo stato di attuazione delle Azioni previste dal PAES, modificandone la tempistica e le riduzioni attese dalla loro applicazione.

Dal confronto tra le Azioni previste e le riduzioni di emissioni registrate nel 2014, è emerso che i settori dei trasporti ed industriale hanno registrato un importante calo di emissioni nel periodo 2007-2014 che non era stato previsto come Azione, ma legato alla crisi economica in essere.

Questa riduzione è stata quindi inclusa nel PAES, e sommandola alle azioni previste dal PAES porterà al 2020 ad una riduzione delle emissioni di CO₂ superiore al 31%, quindi più ambiziosa rispetto a quanto precedentemente previsto (27%).

Trento 28/07/2015
Amministratore PAES s.r.l.

Ing. Christian Tiso



Detailed comments on your SEAP template

CO2 Baseline Emission Inventory – 2007

TABLE A

- | | |
|--|-----------------------------------|
| 1. The total ELECTRICITY consumption per capita in all sectors excluding industries (1.30 MWh per capita) significantly deviates from the average for the year 2007 in your country (2.74 MWh per capita). Although local data can widely vary from national statistics, this might highlight a mistake in the inventory. You might find it appropriate to double-check your data. | SEAP and
template
rectified |
| 2. No biofuel consumption has been inserted in your template for the TRANSPORT sector of your city. However, the national average for 2007 was 0.9%. In case this was not taken into account when preparing your inventory, we would like to remind you that refineries are often blending biofuels with fossil fuels before marketing them because of national obligations. | Rectified |

TABLE B

- | | |
|--|---|
| 3. The GHG emissions associated with the consumption of DIESEL reported in Table A do not correspond to the multiplication of the corresponding emission factor for the DIESEL consumption indicated therein. Please revise your calculations. | Template
rectified |
| 4. Having selected the IPCC approach to account for GHG emissions, you have chosen an emission factor equal to zero for BIOMASS (Biofuel, Plant Oil, Other Biomass). Nevertheless, we would like to remind you that for this to be true, biomass needs to be produced in a sustainable manner. Please refer to Part II of the Guidebook (paragraph 3.3) for more insight on this issue. If the sustainability of biomass was not taken into account when first preparing your inventories we strongly recommend you to revise your data accordingly. | The biomass
used is local
and
sustainable.
Specified in
the SEAP |

SEAP

- | | |
|--|--|
| 5. Since The CO2 REDUCTION ESTIMATION IN 2020 indicated for the TRANSPORT sector is equal to 585 tCO2. In addition, the ENERGY SAVING TARGET PER SECTOR IN 2020 (MWh) for this sector is equal to 2 MWh. Please note that, according to the data inserted in TABLE A of the BEI, this only represents 0.01% of the total energy consumption in that sector. We recommend you to make sure that the measures planned for this sector are ambitious enough to contribute to your total reduction target. (*) | The reduction
estimation has
not been varied
but a new
action related
to reduction
due to
economical
turndown has
been inserted |
| 6. We would like to draw your attention to these inconsistencies: (*) | |
| a. The CO2 REDUCTION ESTIMATION IN 2020 indicated for the BUILDINGS, EQUIPMENT / FACILITIES & INDUSTRIES sector is equal to 1126 tCO2. However, the sum of the EXPECTED CO2 REDUCTION PER | |



Covenant of Mayors

Committed to local
sustainable energy

MEASURE (t/a) in this sector is higher than the value reported as the CO2 REDUCTION ESTIMATION IN 2020 for that sector (the deviation is 74.2%). Rectified

b. The sum of the EXPECTED CO2 REDUCTION PER MEASURE (t/a) in the LOCAL DISTRICT HEATING / COOLING, CHPs sector is lower than the value reported as the CO2 REDUCTION ESTIMATION IN 2020 for that sector. Rectified

c. CO2 reduction estimation per sector TOTAL cell in the last row of this table does not report the sum of the individual values (deviation of 9.1%). Rectified

Please check your data. While doing this please remember that the EXPECTED CO2 REDUCTION PER MEASURE should be reported as annual values.

7. A significant number of the actions/measures reported in your template do not contain relevant project management information on responsible person/department, estimated costs, expected energy savings/renewable energy production and/or estimated emissions reductions. We strongly recommend you to fill-in these fields whenever possible to better plan the implementation of your SEAP. Information added

8. Since the measure 'Biomass heat power plant' implies the use of BIOMASS, we would like to remind you about the issue concerning the sustainability of biomass. Please refer to Part II of the Guidebook (paragraph 3.3) for more insight on this. Action deleted

9. Please take note of these additional remarks regarding your measures: (*)

a. A number of the SEAP document actions are not included in the template (3.2.1-3.2.2; 3.2.5; 3.3.1-3.3.5; 3.4.1). We invite you to insert these actions in the template even if their estimated energy and CO2 savings cannot yet be quantified. Moreover, if the actions 3.4.8 and 3.4.9 are intentionally excluded from the template, please explain this in the general comments field. Actions added

b. We understand that you have updated the template with two new actions since the publication of the SEAP document; please make sure that they are included in the next version of your SEAP. Rectified

c. The description of the measure in the template does not quite match with the equivalent description in the SEAP document regarding the actions 3.2.3 'Replacement of 2 municipal vehicles with two more efficient' (the number of vehicles), 3.4.10 'Biomass heat power plant' (please specify that it is a biogas plant), 3.5.1-3.5.2 'Installation of photovoltaic plants on municipal buildings', 3.5.7 'replacement of lamps with high efficiency ones' (it includes residential and tertiary sectors in the SEAP) and 3.6.1-3.6.2 'Installation of photovoltaic plants on tertiary buildings' (the action is labelled as a industry sector action). Rectified

d. The energy savings are not inserted in the template for the measure 3.2.4; they deviate from the ones in the SEAP document in terms of actions 3.5.7 Rectified

e. The implementation timeframes deviate from the ones in the SEAP document in terms of actions 3.4.7; 3.4.10; 3.5.8-3.5.10; estimated costs deviate regarding action 3.4.7; 3.4.10. The CO2 savings deviate from the ones in the SEAP document regarding actions 3.4.3; 3.5.5; 3.5.7; 3.5.8. Rectified



Covenant of Mayors

Committed to local
sustainable energy

Thus, we kindly ask you to check your project management data and ensure its consistency between the template and the SEAP document. There will be a good opportunity to specify your measures and project management details when the new SEAP template is released at the end of this year.

10. Congratulations for having proposed a set of local electricity generation measures in your SEAP! We have noticed that Table C of your BEI was not filled-in and would like to remind you that in case some electricity was already produced locally in your baseline year, it has now become important for you to report it in your BEI. This will allow you to account correctly for the new emission savings in your Monitoring Emission Inventory.

The Covenant of Mayors Technical Helpdesk is jointly managed by the Institute for Energy and Transport and the Institute for Environment and Sustainability of the European Commission Joint Research Centre and the Covenant of Mayors Office in Brussels.

Please note that this document and the consequent possible SEAP acceptance are by no means related to the Strategic Environmental Assessment provisions set in the Directive 2001/42/EC of the European Parliament and of the Council of 27 June 2001 on the assessment of the effects of certain plans and programs on the environment or to any other possible assessment: this feedback is to be intended only for the purposes set within the context of the Covenant of Mayor initiative.

The output of this report is based on an automatic analysis of the data provided in the SEAP template and does not imply any approval of its content by the European Commission. The responsibility of the measures and figures reported in the SEAP document and template remains with its authors.

The sole responsibility for the content of this document and the related information lies with the authors. It does not necessarily reflect the opinion of the European Commission. The European Commission is not responsible for any use that may be made of the information contained therein.

