

Fiper position paper- Abstract n. 2675

Policies: The 20% target can be met with strong legislation coming soon

Founded in 2001, the Italian Producer Energy Renewable Federation (FIPER) puts together and represents the majority of the Italian energy electrical and heating's in co-generation producers by renewable source. FIPER collects 21 energy heating's producer companies, 32 mountain area's towns of Piemonte, Val d'Aosta, Trentino Alto Adige, and Emilia Romagna region. 55 thermal power stations are associated with the Federation. 180.000 users of heating, sanitary water and electricity. 250 MW thermal power produced by Fiper's plants, whom 520 MW installed in final users and 5 MW electrical.

According with position paper's of European Renewable Energy Council- EREC-, Fiper remarks "it is high time to address the heating and cooling sector which has been neglected far too long". Harmonisation of supports schemes in the renewable energy is necessary to develop and to diversify energy supply. Given that Europe wants to achieve the 20% renewable target, timing is a key factor. The target will only be meet if legislation on the European and National level is adopted timely.

Due to the limited sources of biomass (life cycle, local supplies), it is important to take efficiency criteria into account for the production of energy from the woody biomass sources. For instance, the efficiency of heat and/or electricity production from biomass can vary from 25 to 90%. Therefore, minimum efficiency criteria should be introduced and applied to any new biomass plants and heating services. Fiper doesn't agree to incentive electrical energy by woody biomass; it is possible to achieve higher efficiency producing in co-generation system electrical and thermal energy. For that reason Fiper propose, as French legislation defines, the recognising public incentive only for electrical energy produced in co-generation system by woody biomass with minimum level efficiency of 50%.

Renewable heating, renewable electricity and biofuels are completely different sector, with different actors, market dynamics and barriers to growth. In Italy, for instance, renewable focus is direct to electrical production! Almost half of Europe's finale energy consumption is used for heating purposes. Fiper in partnership with Bocconi University, Commerce Chamber of Milan, the Italian Farmers Association, Lombardia Region started to working to define a list price, a market for agro-energetic product, to develop transparency and traceability system. Fiper priority is a creation agro-energetic district and short productive chain, creating positive community and environmental impact. "Short chain at best efficiency" are plant of short rotation forestry and District-heating network localized around 60-80 km, than reducing transport cost. Fiper's short chain allows:

- towns achieve energetic autonomy;
- the local renewable resource encourages social cohesion;
- local woody producer involvement assures an extra income and creates new employment opportunities.

In order to reach successful national policies, reduce gaps in Italian legislative framework and incentive many providers, and their facilities should be mostly small and decentralised, Fiper aims at:

1. Promoting 300-500 new district-heating networks by biomasses fuel. Production plant power station estimated of 7,5 MW thermal and 1,5 MW electrical able to satisfy the energetic need of 1.5 million people in mountain areas in Italy.
2. Boosting biogas plant system integrating the German model forbidden by the Italian legislation, which considers biomasses as a waste and not as a precious resource.
3. Fostering the production of renewable electrical energy by co-generation systems in order to achieve the best energetic efficiency, legislation have to define a priority to produce heater with wood, maximise productive factor woody;
4. Increasing the market attractiveness of efficiency's title issued by electrical market manager concerning biomass power station. Today nobody buy heating renewable title, because are correlated with diesel consumer;



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5. Encouraging energetic authority to give to co-generation thermal power companies the possibility to choose between 8-11 years and Kwh produced equivalent to obtain efficiency energy title.

6. Diversifying efficiency titles according to the source used;

7.Using combustion ashes as agricultural fertilizing to complete woody natural cycle.

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