



Project Summary

Thermal utilization of virgin and residual biomass in Brianza (Italy) for district heating and electric co-generation

BIOMASS USE IN BRIANZA

Action Line: Cost-effective supply of renewable energies
Contract Type: Specific support actions
Activity area: Biomass

Coordinator:

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Project details

Reference:	Bioma/503177/2003	Start Date:	14/06/2004
Status:	Execution	End Date:	14/12/2005
Project Cost (€):	413.000	Duration:	18 months
Project Funding (€):	309.750		

Summary

Thermal utilization of biomass in distributed power plants, both for heat generation and possibly for heat and power co-generation, feeding district heating networks, represents a priority action with respects to the objectives of the European Community energy policy, in terms of reduction of CO₂ emissions, energy supply security, energy efficiency, environmental improvement at local level in highly polluted residential areas and social acceptability. Properly selected projects may represent the least cost investment towards these objectives.

The proposed study aims to reduce the barriers relevant to knowledge of the biomass market, development of new technologies and identification of effective investment opportunities and intends to verify the financial sustainability of the best projects and the possible requirement for public support.

The district of Brianza (Northern Italy), singled out as the investigation object, offers favorable elements for a positive outcome and an important impact of the Project, namely:

- Large availability of residual and virgin biomass;
- Technological know-how and experience in new technologies;
- Intense industrialization and high population density, associated with strong energy demand;
- Favorable conditions for the installation of district heating systems.

Scope of the Project is the technical configuration of optimum models of energy conversion plants of virgin biomass or selected residual biomass, based on viable new technologies, in compliance with laws and regulations of the sector. The identification of local opportunities shall search a proper equilibrium between the local biomass production and the requirement of locating the plants close to the heat users.

The proposed activities, structured in distinct work packages, plan to:

- " Define the legal and regulating conditions for a thermal utilization of biomass.
- " Present the availability of biomass, both virgin and residual...



Partners

1	Comitato Termotecnico Italiano	IT
2	INGEA Consulting S.r.l.	IT
3	Associazione Rete Di Punti Energia	IT
4	Pubblidam S.r.l.	IT
5	European Biomass Association	BE