Collection an use of urban wood waste



TEGA operates in urban public services area and initiated large campaign for wood residue collection in cities/villages in Covasna County. TEGA uses wood chips as fuel in its heating plant and provide heating for its workshops, offices. The capacity of the heat boiler is 200 kWt. The idea was to collect wood residues from green areas. Collected wood residues are chopped and crushed and can be delivered for energy production. Types of collected waste wood: i.e. forest sanitation, gardening cuttings and cleaning operations. The types of biomass used are wood residues (barks, chips, branches).

Energy problems are so acute, that it is no longer possible to satisfy the local's constantly growing needs. This growth of energy demand must be increasingly satisfied by diversified energy sources, including sustainable and renewable resources. Biomass is a renewable energy option that can be practical and safe, can strengthen the circular economy, and can help ease the urgent strain on our planet's ecosystem.

TEGA company promotes and invests in acceleration of the entire biomass chain. The company members participate in collection, chipping activities and produce more than 500 m3 woodchips. They use this biomass material and valorize at the company. Moreover, training sessions on bioenergy issues, active involvement in local projects such as at waste collection actions TEGA company was actively involved.

DETAILS

ORIGIN OF WOOD	MOBILIZATION POTENTIAL
Landscaping, municipal woodlands	500 m3 comparing to normal practice, affected area is 3400 km2
TYPE OF WOOD	
Recycled or waste wood	SUSTAINABILITY POTENTIAL - VALUE
KIND OF WOOD CONCERNED	EASE OF IMPLEMENTATION
Wood residuals, branches, barks, chips, old wreaths, christmas trees, etc	Easy
IMPACT ON ENVIRONMENT & BIODIVERSITY	EASE OF IMPLEMENTATION - EVALUATION
TEGA S.A. focused on the economic sustainability of the initiatives based on	
the circular economic model.	
	KEY PREREQUISITES
The activity of the company is more sustainable by reducing the energy	Urban wood waste to energy
expenses	
ΕΧΡΙ ΩΙΤΑΤΙΩΝ ΡΩΤΕΝΤΙΔΙ	TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
HUB	JOB EFFECT
	20 new jobs
ECONOMIC IMPACT	COSTS OF IMPLEMENTATION (EURO - €)
257 employees, Turnover 1 mil. €	

SPECIFIC KNOWLEDGE NEEDED

Biomass management, energy engeneering

CHALLENGE ADDRESSED	DOMAIN	TYPE OF SOLUTION
	Wood energy industry	
KEYWORDS	DIGITAL SOLUTION	INNOVATION
	No	No
COUNTRY OF ORIGIN	SCALE OF APPLICATION	START AND END YEAR
Romania	Local	2010 -
REFERENCES AND RESOURCES		

MAIN WEBSITE

https://www.tega.ro/

PROJECT WEBSITE

PROJECT REFERENCE

RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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