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

Landscaping, municipal woodlands

TYPE OF WOOD

Recycled or waste wood

KIND OF WOOD CONCERNED

Wood residuals, branches, barks, chips, old wreaths, christmas trees, etc

IMPACT ON ENVIRONMENT & BIODIVERSITY

TEGA S.A. focused on the economic sustainability of the initiatives based on the circular economic model.

INCOME EFFECT

The activity of the company is more sustainable by reducing the energy expenses

EXPLOITATION POTENTIAL

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HUB

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ECONOMIC IMPACT

257 employees, Turnover 1 mil. €

SPECIFIC KNOWLEDGE NEEDED

MOBILIZATION POTENTIAL

500 m3 comparing to normal practice, affected area is 3400 km2

SUSTAINABILITY POTENTIAL - VALUE

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EASE OF IMPLEMENTATION

Easy

EASE OF IMPLEMENTATION - EVALUATION

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KEY PREREQUISITES

Urban wood waste to energy

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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JOB EFFECT

20 new jobs

COSTS OF IMPLEMENTATION (EURO - €)

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MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

Wood energy industry

TYPE OF SOLUTION

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KEYWORDS

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DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Romania

SCALE OF APPLICATION

Local

START AND END YEAR

2010 -

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.tega.ro/

PROJECT WEBSITE

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PROJECT REFERENCE

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RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

27 Sep 2019

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

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