

**DELIVERABLE D_5.9:
TVW produced by WDE customers after
24 months of project starts
(with machine 1,2,3,4 and 5)**

TV4NEWOOD PROJECT

AGREEMENT NUMBER:
ECO/12/333079/SI2.653690

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Co-funded by the Eco-innovation
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During the first year of Tv4newood project and as mentioned in D_5.6, the first plant TVS LOLA 2.5 located to Ecolwood was the only one that went into production, with **69 mc of thermo vacuum wood (VACwood)**.

In the second year of project 5 plants produced Vacwood:

Ecolwood in France with two machine, Varm I Nord in Norway and the two machine in USA at Bingaman Company.

Data on Vacwood production till December 2015 has been collected by WDe-Maspell.

Thermo vacuum machines are remotely controlled by Wde-Maspell that can check process parameters, like energy consumption and operating.

Despite of this continuous connection, it is not easy to understand the exact amount of Vacwood treated. This is because the machines can be filled only partially or numbering of production cycles can not be consecutive (The machine can run even a single drying cycle without performing thermo modification).

With continuous work of comparisons and requests with their customers WDE has succeeded in collect data, reported in the following table.

Furthermore Wde collected information about type of wood treated and main final use of treated wood produced.

PLANTS TV4NEWOOD PROJECT DECEMBER 2015

Company	Type of wood commonly treated	Year	Production/ mc	Main use of Vacwood
Ecolwood France (2 machine)	BEECH, ASH, POPLAR, BEECH, DOUGLAS FIR, FIR, OAK	2014	69	wood flooring external revestements
	BEECH, ASH, POPLAR	2015	540	
Varm I Nord AS Norway	SPUCE, FIR	2014	30	boarding floors terraces
	SPUCE, FIR	2015	90	
Bingaman & Son Lumber, Inc. USA (2 machine)	POPLAR SOFT MAPLE WHITE ASH WHITE OAK	2015	1380	Siding Decking Decorative trim and mouldings Exterior doors



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