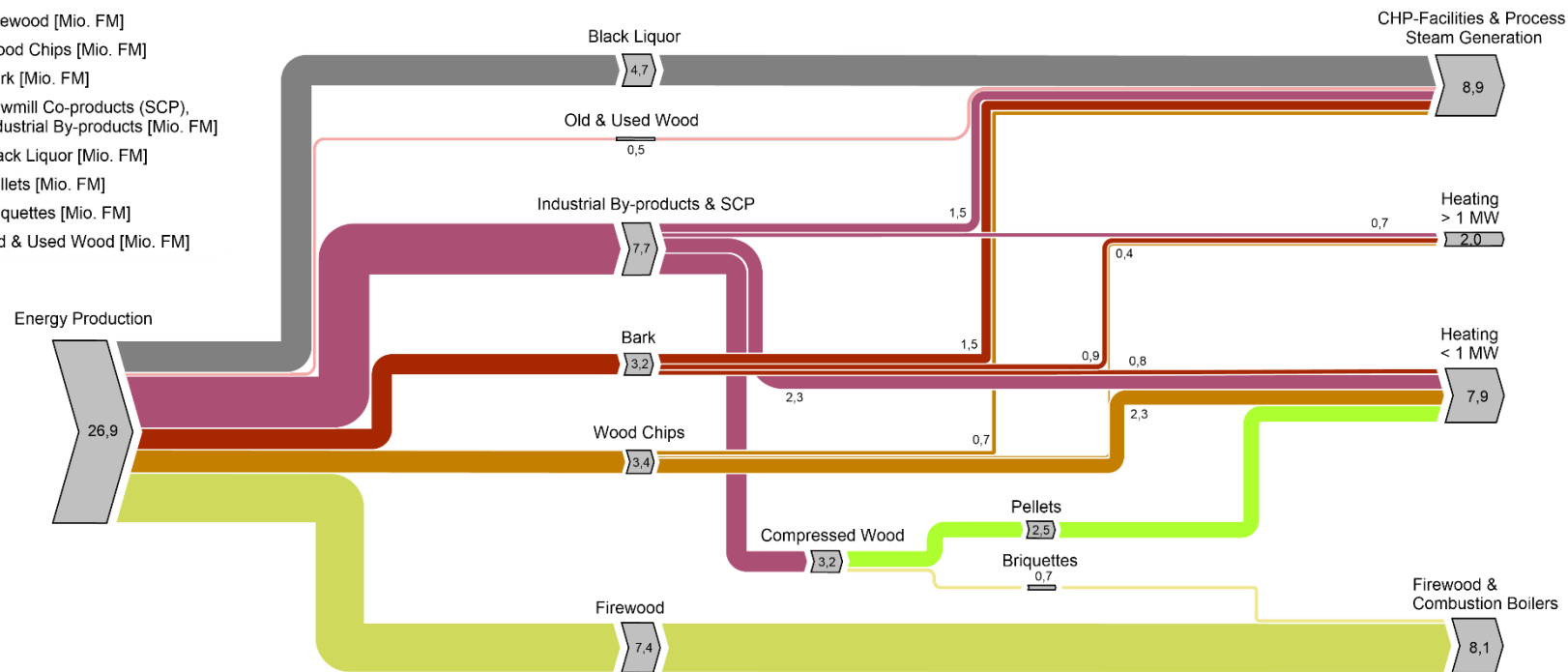


# Wood Flows in Austria – Energy Production

## Legend

- Firewood [Mio. FM]
- Wood Chips [Mio. FM]
- Bark [Mio. FM]
- Sawmill Co-products (SCP), Industrial By-products [Mio. FM]
- Black Liquor [Mio. FM]
- Pellets [Mio. FM]
- Briquettes [Mio. FM]
- Old & Used Wood [Mio. FM]



Issue: August 2023 / Reference year 2021 - All values given in million m<sup>3</sup>; values <0,1 million m<sup>3</sup> are not shown; numerical values partially rounded; Compiled by Lorenz Strimitzer, Bernhard Wlcek, Alex Bergamo, Austrian Energy Agency & Kasimir Nemestothy, Austrian Chamber of Agriculture - Compiled on behalf of BMK.

## General Remarks on the Presentation of the “Wood Flows in Austria – Energy Production”

More information concerning this presentation is included in the accompanying description, which can be downloaded together with the illustration from [klimaaktiv.at/energieholz](http://klimaaktiv.at/energieholz).

### Short Description

For reasons of representability the Woodflow exclusively portrays fuel wood assortments used within the domestic consumption – pellets and briquette volumes used for export and import purposes, are summarized in the main illustration within the assortment compressed wood. This illustration of the “Wood Flows in Austria – Energy Production” takes into account the conversion factors for wood fuel assortments, which were established in consultation with key stakeholders.

### Wood Assortments

Name	Description
<b>Black Liquor</b>	Residual lye from the production of pulp can be used for producing energy.
<b>Industrial By-products and Sawmill Co-products (SCP)</b>	Shavings, wood chips, edgings, slabs, pellets, briquettes etc.
<b>Bark</b>	The bark from sawmills and the timber industry is run as a separate stream opposed to firewood.
<b>Wood Chips</b>	Wood chips are acquired from the forest and other sources and are used for energy purposes.
<b>Firewood (FW) incl. Bark</b>	Designated by the TFR as timber used for the purpose of fuel wood and energy purposes in log wood boilers. The flow of fuel wood is displayed including bark.
<b>Pellets</b>	Wood pellets made from sawmill by-products, which are essentially used in pellet boilers for the production of heat.
<b>Old &amp; Used Wood</b>	Wood waste that is categorised under the key numbers of main group 17 according to the Federal Waste Management Plan. Includes quantities of wood that are reused after their main utilisation as well as residues from wood processing.
<b>Briquettes</b>	Wood briquettes made from sawmill by-products and used for the production of energy.

### Nodes

Name	Description
<b>Energy Production</b>	Wood assortments from the main illustration are combined in this node for the purpose of energy production. The continuation in this illustration shows different ways of energy recovery from these wood assortments and from which facilities the energy is gained (CHP, woodchip-, pellet-, briquette-, and firewood boilers).
<b>Production of Compressed Wood</b>	This includes the production of pellets and briquettes from sawmill by-products and wood residues.
<b>CHP Facilities &amp; Process Steam Generation</b>	The quantities of wood and wood-like products that are mentioned here are those used in CHP facilities and in the production of heat and electricity.

**Heating < 1 MW or Heating > 1 MW**

This node summarizes automatically fed boilers and differentiates between fuel power capacities smaller than 1 MW and larger than 1 MW.

**Firewood & Combustion Boilers**

This node summarizes the manually fed boilers and furnaces.

## Sources

For the creation of this illustration data from various sources was used, such as the Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK), the cooperation platform Forest Wood Paper (FHP), the Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), the Statistics Austria and own calculations by the Austrian Energy Agency and the Austrian Chamber of Agriculture.

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