

# SUSTAINABLE ENERGY SUPPLY FOR A HEALTHY CLIMATE



## The UN climate targets as a commitment

The average temperature of the earth is rising steadily. Companies must show responsibility. As a leading company in the paper industry, UPM will actively contribute to confining global warming to 1.5 degrees Celsius. UPM is committed to the UN's Business Ambition for 1.5°C.\* We strive to mitigate climate change and drive long-term value creation through climate-positive forestry, innovating novel products.

## 65 percent less CO<sub>2</sub> emissions by 2030

The number one driver of the global rise in temperature is the emission of carbon dioxide (CO<sub>2</sub>). Fossil fuels account for more than half of global greenhouse gas emissions.<sup>1</sup> Therefore, UPM's most important contribution to climate protection is to reduce CO<sub>2</sub> emissions from fossil fuels and external electricity suppliers by 65 percent by 2030.

## Investing in a sustainable future

UPM has more than 1 million hectares of forests and plantations in Europe, the USA and Uruguay – which make an important contribution to climate protection by absorbing more than 2 million tonnes of CO<sub>2</sub> annually. Another focus is on reducing emissions related to production processes. In recent months, UPM has set the course for investments in sustainable energy supply. These support the conversion of energy systems in Germany and Europe. One example is the cooperation with the German wind farm operator wpd. In February 2020, UPM and wpd agreed on a long-term contract for the purchase of wind energy. The use of renewable energy for UPM's paper mills will help reduce CO<sub>2</sub> emissions by 200,000 tonnes per year from 2022. This represents 5 percent of UPM's total CO<sub>2</sub> emissions.

## Limiting the use of fossil raw materials

UPM is also working to improve the carbon footprint of its products. Many products have already been assessed as climate friendly: For the seventh consecutive year, UPM was listed in the Dow Jones Sustainability Index (DJSI)\* for 2019/2020 as the industry leader in the paper and forest products industry. In the future, the company intends to assess the entire portfolio for its climate compatibility.

### More about sustainability at UPM:

<https://www.upm.com/responsibility/environment/>

<sup>1</sup> [http://energywatchgroup.org/wp-content/uploads/EWG-Kurzanalyse-THG\\_2019.pdf](http://energywatchgroup.org/wp-content/uploads/EWG-Kurzanalyse-THG_2019.pdf)

\* Find out more using the QR codes below.

## Investments in sustainable energy supply

Reduction of emissions and strengthening of competitiveness



### UPM Nordland Papier, Germany

- Investment volume: 95 M € by UPM
- Combined heat and power plant (80 MW)
- Covering the heat demand of the mill
- Enabling active participation in the increasingly volatile German electricity markets
- Contributing to the stability of the public power system by providing flexible generation and demand capacities

### UPM Hürth, Germany

- Investment volume: 110 M € by E.ON
- Biomass power plant at UPM site in Hürth (87 MW)
- Covering the heat demand of the mill without fossil CO<sub>2</sub> (replacement for lignite)
- Supporting the German energy transition "Energiewende" by generation of CHP power from biomass

### Wind Park, Finland

- Long-term wind power purchase agreement with company wpd
- Power purchase of approx. 4TW/h over the duration of the contract
- The wind park in Finland is generating sustainable power for 25 – 30 years
- Climate-friendly energy supply of our mills
- Visible contribution to the transformation of the European energy system

Reduction of UPM's CO<sub>2</sub> footprint by a total of approx. **600.000** tonnes annually

