

Nordic Clean Energy Progress

Examples from the Nordic cooperation




Nordic Energy Research
Nordic Council of Ministers

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An aerial, high-angle photograph of a multi-lane highway at night. The road is filled with cars, their headlights and taillights glowing, creating a sense of movement and congestion. The lanes are separated by dashed white lines. On the left side of the road, there is a concrete barrier and some vegetation. The overall scene is dark, with the primary light sources being the vehicles' lights. The word "Transport" is superimposed in a large, white, sans-serif font across the center of the image.

Transport



In 2016, electric vehicles (EVs) had a 29 % market share in Norway...



**But, policy matters:
Denmark from 2738
Teslas sold in 2015 to
176 in 2016**



Norway moving from light duty
vehicles to maritime vessels

A landscape photograph featuring a wind turbine on a hill at sunset. The sky is filled with soft, horizontal clouds in shades of orange, pink, and blue. The foreground shows the dark silhouette of a forested hill. The word "Renewables" is written in a large, bold, white sans-serif font across the middle of the image.

Renewables

**Sustainable biomass
for district heating
supplies 35 % of
Nordic urban
residential heating
demand...**



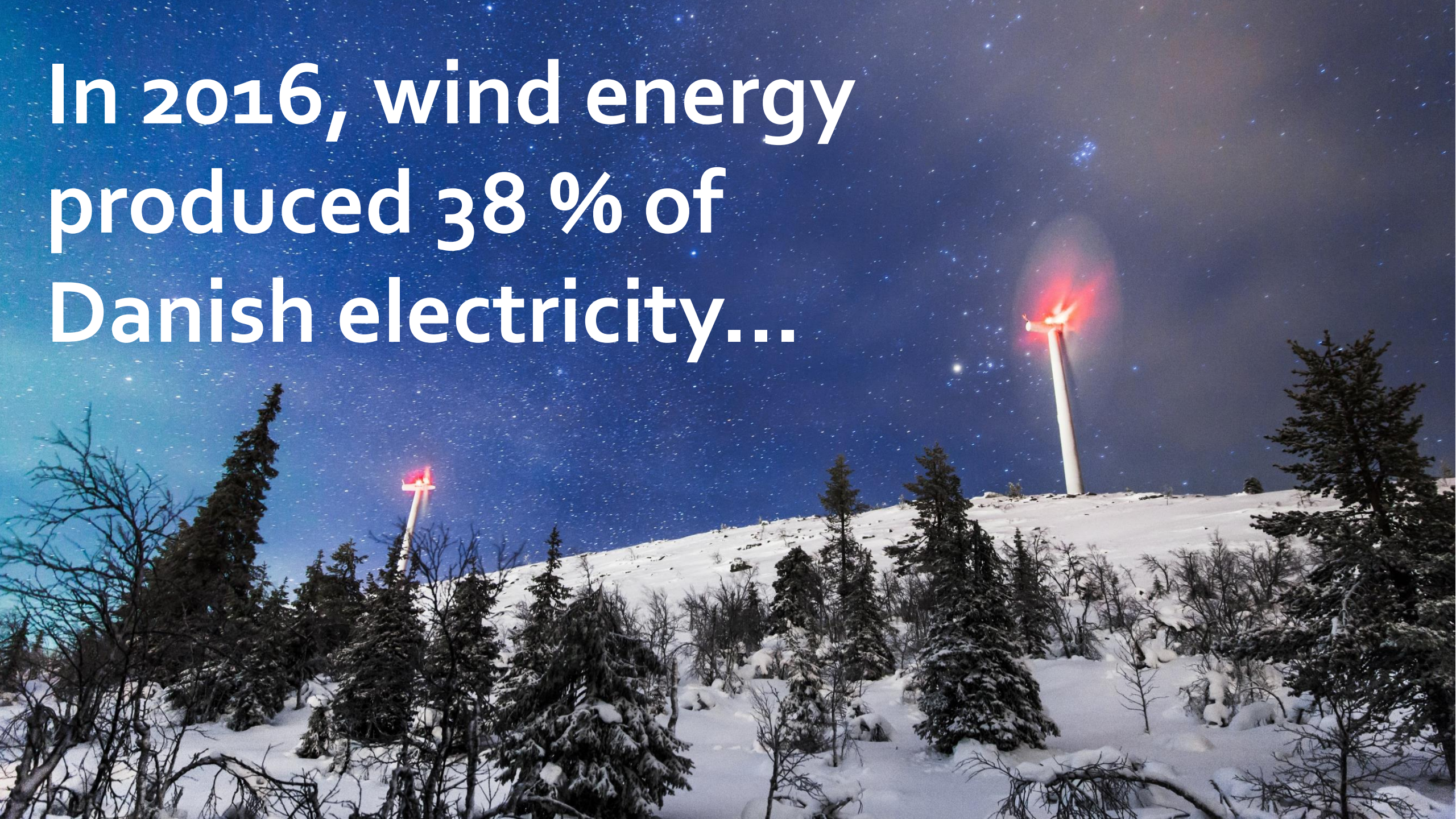
A photograph of a forest. In the foreground, there is a large, neat pile of cut logs, some with red markings. The logs are stacked in a way that shows their circular ends. Behind the logs, the forest floor is covered with green ferns and other low-lying plants. In the background, tall, slender trees with green foliage rise up, creating a dense canopy. The sky is visible through the trees, appearing overcast. The overall scene is lush and green, suggesting a healthy forest environment.

**And over 50 % of
Swedish urban
residential district
heating!**

... but, biofuels for
transportation lags
behind a 2°C
pathway



In 2016, wind energy
produced 38 % of
Danish electricity...



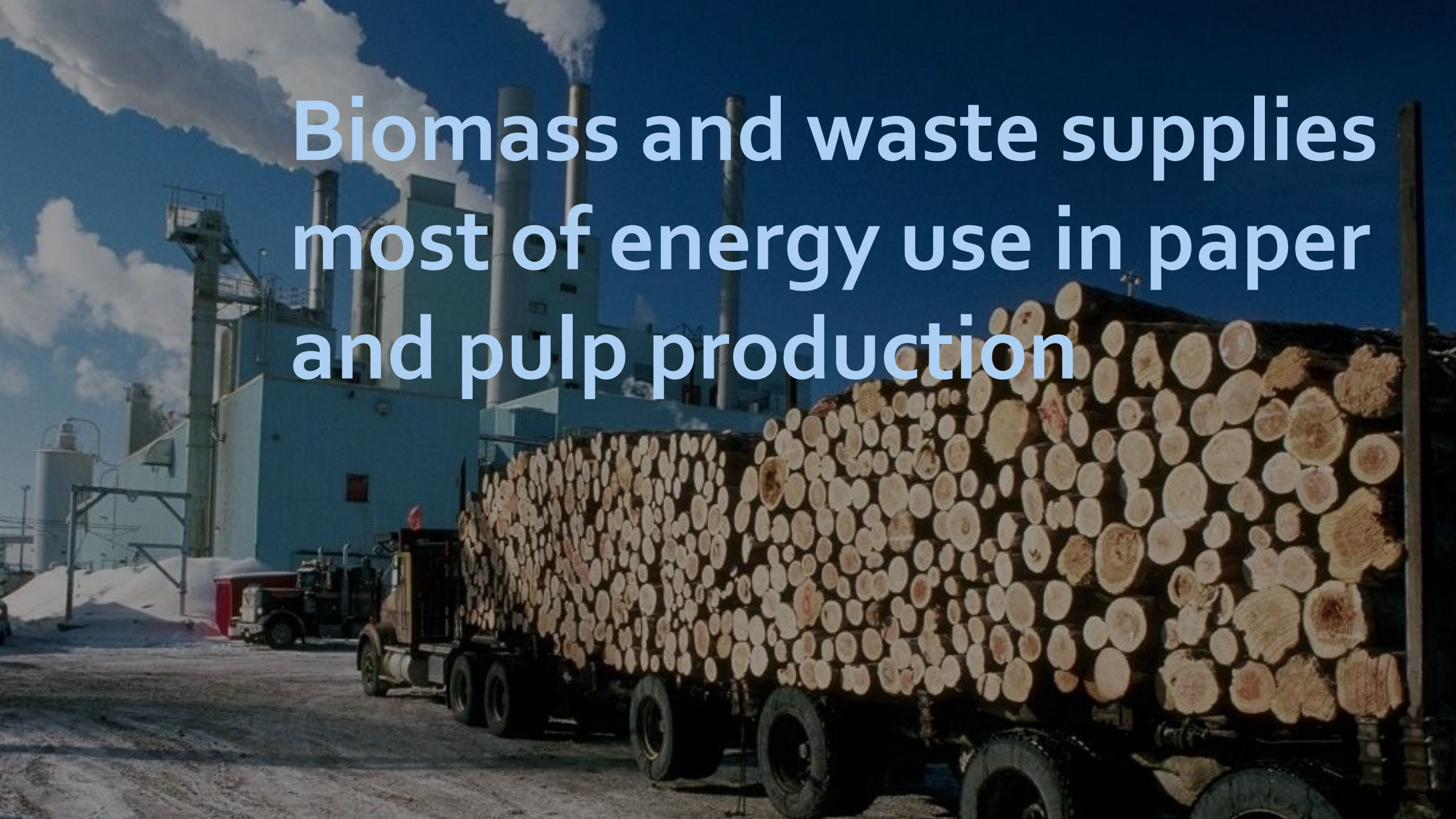
But, the Nordic electricity sector will not be completely decarbonised for a long time



Industry

The image depicts a large-scale industrial operation, likely a sawmill or paper mill. In the background, a complex of light-colored industrial buildings is visible, featuring several tall, cylindrical smokestacks that are actively releasing thick plumes of white steam or smoke into a clear, bright blue sky. The foreground is dominated by a massive pile of cut logs, stacked neatly on the flatbed of a semi-truck. The logs show a variety of wood grain patterns and colors, ranging from light tan to dark brown. The truck is parked on a dark, possibly gravel or dirt surface. The overall scene conveys a sense of heavy industrial production and resource extraction.

**Biomass and waste supplies
most of energy use in paper
and pulp production**



But, coal still supplies most of energy
use in steel and iron production

