

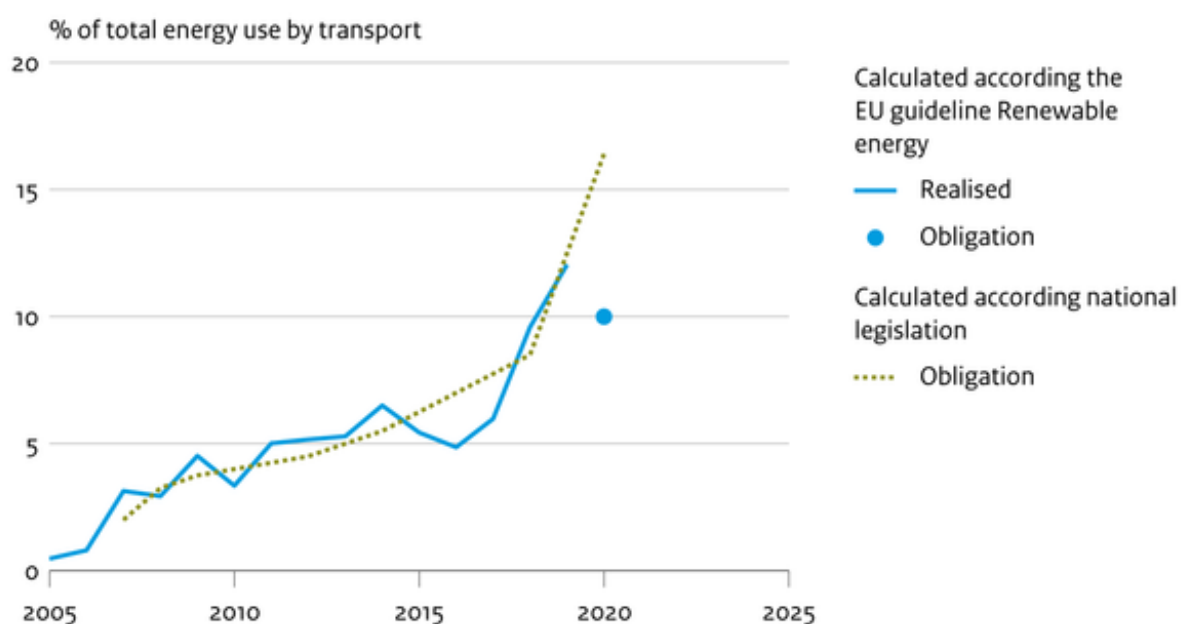
Use of renewable energy for transport, 2005-2019

Indicator | 8 September 2020

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Since 2007, the use of renewable energy for transport has increased, because petrol and diesel suppliers are obliged by law to supply renewable energy. Since 2017 the share of renewable energy for transport has been increasing rapidly. In 2019 this share reached 12 per cent.

Share renewable energy for transport



Bron: CBS

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Obligated share renewable energy for transport

It is laid down in Dutch law that suppliers of petrol and diesel for transport must supply part of the fuels as renewable energy. This mandatory share of renewable energy has risen from 2 per cent in 2007 to 7.75 per cent in 2017 (Staatsblad, 2014) and gradually increases to 16.4 per cent in 2020 (Staatsblad, 2018).

This obligation is based upon the EU Guideline Renewable Energy (EU, 2009). In 2020, EU member states are obliged to use a share of renewable energy for transport which corresponds to 10 per cent of the total use of fuels and electricity for transport. The national obligation is set higher than 10 per cent as energy for transport also has to make an important contribution to the policy target for the total consumption of renewable energy (14 per cent in 2020).

Actual share of renewable energy

Due to differences in definitions, the realised share of renewable energy for transport according to the EU Guideline is not always in step with the national obligation (CBS, 2019). In 2019, the actual share of renewable energy amounted to 12 per cent (CBS, 2020).

Green gas

In addition to biogasoline and biodiesel, green gas used for transport may also count retroactively for the calculation of the share of renewable energy for transport. The share of green gas in total energy consumption for transport is 1.5 per cent.

Biofuels

Since 2007, suppliers of motor fuels for road traffic vehicles are obliged to supply these fuels with a certain percentage of biofuel. In practice, biofuel is usually blended (mixed) with normal petrol and diesel. This obligation is therefore often referred to as the 'blending obligation'.

When calculating the share of renewable energy, environmentally friendly biofuels are allowed to be counted double towards the target set by the Dutch government. Today, such biofuels are very important. In 2019, approximately 74 per cent of biofuels were counted double, especially biodiesel from frying fat.

Also green gas, in origin derived from waste flows, is assessed as an environmental friendly biofuel and therefore counts double.

Sustainability of biofuels

There has been much public and political discussion in recent years about the desirability of using biofuels in road traffic vehicles. As a result of these discussions, the EU Guideline includes sustainability criteria for reduction of greenhouse gas emissions, reduction of damage to nature and respect for social rights.

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CBS, PBL, RIVM, WUR (2020). [Use of renewable energy for transport, 2005-2019](#) [13] (indicator 0535, version 19 , 8 September 2020). www.environmentaldata.nl. Statistics Netherlands (CBS), The Hague; PBL Netherlands Environmental Assessment Agency, The Hague; RIVM National Institute for Public Health and the Environment, Bilthoven; and Wageningen University and Research, Wageningen.

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- [5] <https://www.cbs.nl/nl-nl/publicatie/2019/40/hernieuwbare-energie-in-nederland-2018>
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