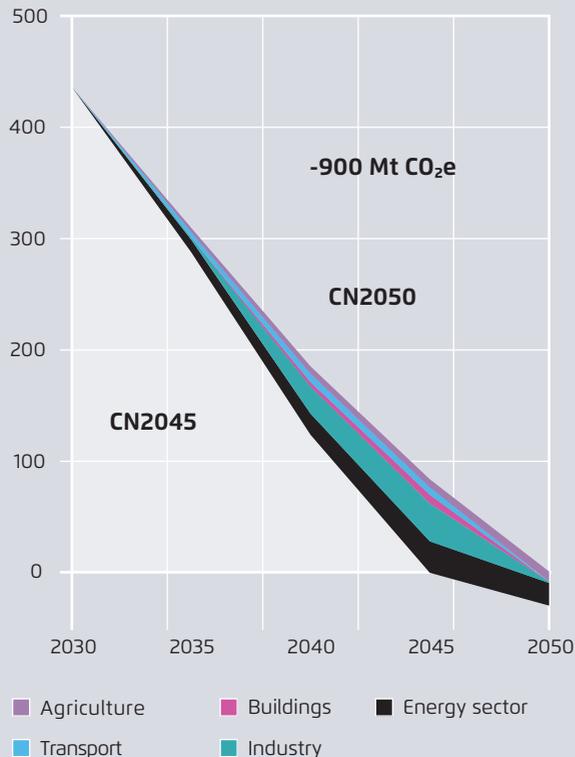


**Additional reductions of GHG emissions between the CN2050 and CN2045 scenarios in Mt CO<sub>2</sub>e**



**Measures for reaching climate-neutrality by 2045**



-104 Mt

- Reduced livestock due to higher demand for milk and meat substitutes
- Accelerate expansion of organic farming to 25% of farms
- Expansion of peatland rewetting and increase of biodiversity areas



-73 Mt

- No permitting of new combustion engine cars or plug-ins from 2032 onwards
- Fleet of cars and trucks in 2045 almost completely free of combustion engines
- PtX for inland waterway transport already from 2031



-68 Mt

- Accelerate expansion of heat pumps and district heating networks
- Replace all fossil heating technologies by 2045
- Increase building retrofit rate to 1.75%



-308 Mt

- Accelerate expansion of CCS infrastructure
- Accelerate availability of biomass for BECCS
- Accelerate shift of energy source to electricity and hydrogen



-345 Mt

- Accelerate and increase renewable expansion starting in 2030
- Increase negative emissions through DACCS
- Accelerate replacement of natural gas with hydrogen
- Increase inland hydrogen production