

CEMBUREAU feedback to Offshore Renewable Energy Strategy Roadmap

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CEMBUREAU, the European Cement Association, welcomes the opportunity to provide feedback to the Offshore renewable energy strategy Roadmap.

In summary, CEMBUREAU considers that increasing offshore renewable energy supply will be one of the key measures to increase the supply of the renewable electricity needed to move towards a climate neutral society by 2050. The strategy focus should not be just on the use of renewable electricity to create hydrogen, but on the increased needs of industry and society as it puts in place technologies to decarbonise through the increased use of electrical energy. As mentioned in the roadmap, the revision of TEN-E will also be key in ensuring that the infrastructure for the increased use of electricity and also for hydrogen and CO2 transport (the new feedstock for the chemical and petrochemical industries) is in place.

On 12th May 2020, CEMBUREAU published its new [Carbon Neutrality Roadmap](#) setting out its ambition to reach net zero Greenhouse Gas (GHG) emissions along the cement and concrete value chain by 2050, in line with the European Green Deal. Our roadmap identifies the deployment of Carbon Capture, Utilisation and Storage (CCUS) as absolutely central to achieve carbon neutrality in the sector. CCUS will indeed account for 42% of the CO2 emissions reduction in the cement industry by 2050. **This alone will result in the electrical demand doubling for our sector.**

Other technologies to decarbonise which require increased electricity demand include the use of plasma and hydrogen in firing the clinkering process and electrical heating in the calcination process.

Concrete plays a major role in the construction of foundations and bodies for wind turbines, providing the necessary resistance against the impacts from wave damage and salt water corrosion. Recent developments using 3 D printing have seen advances in the construction wind turbine bodies.

In light of the above, CEMBUREAU believes that the Offshore Renewable Energy Strategy should take into account the increased electrical needs of industry and society to move to a climate neutral society by 2050. This should be done in close coordination with the revision of TEN-E.

- The future demand for renewable electrical by industry and society should be fully assessed to determine the level of offshore renewables needed;
- From this, the increased electricity infrastructure need should be identified and planned implementation should be put in place;
- CCS/CCUS is one of the 12 strategic trans-European energy infrastructure priorities and sufficient renewable energy supply will be needed for this;
- The next list of EU Projects of Common Interest (PCI) that will be developed through the TEN-E Regulation should be compliant with the objective of carbon neutrality by 2050 and therefore allow for the scaling up of CO2 and hydrogen transport infrastructure.
