

EnBW – a utility on the path to sustainability

Wolfram MÜNCH
Director Research&Delevopment, EnBW Energie Baden-Württemberg AG
Karlsruhe, Germany

Keywords: Sustainability, Utility, Renewable Energy, Hydrogen

Abstract

It's the ambition of the German government to phase out fossil fuels by 2045. EnBW even has the more ambitious plan of phasing out fossil fuels by 2035. For this, EnBW aims to exit coal power production by 2028. Furthermore, EnBW plans to heavily invest in renewable energy production, especially in offshore wind energy, in flexible H₂-ready power plants, in grids, and smart charging infrastructure for electric vehicles. EnBW also wants to become a system partner for hydrogen supply and infrastructure. Across all functions in the group sustainability indicators will be taken into account for management remuneration systems. Sustainable finance and Green bonds will be strengthened.

To support EnBW's ambitions new technological solutions and concepts need to be explored in R&D projects today. The focus of these pilot and demonstration projects is on renewable energy production, hydrogen production and -usage, and new charging technologies for electric vehicles. In this contribution EnBW's path to sustainability with an overview of important pilots and demonstrations will be presented.