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More information re hydrogen as energy storage in Germany

German Federal Ministry for Economic Affairs and Energy publishes White Paper on Hydrogen Storage (April 17, 2025)

<https://www.bundeswirtschaftsministerium.de/Redaktion/DE/Pressemitteilungen/2025/20250417-bmwk-veroeffentlicht-weissbuch-wasserstoffspeicher.html>

Excerpt:

Hydrogen storage demand in Germany and Europe.

The various scenarios (BMWK long-term scenarios, EWI models, and INES market survey) indicate a sharp increase in demand for hydrogen storage. Storage demand of 2 to 7 TWh is expected by 2030, which could rise to 76 to 80 TWh by 2045. The main driver of this increase is the use of hydrogen in industry and in power plants for reconversion to electricity. The scenarios indicate a Europe-wide storage demand of up to 161 TWh by 2050 .