



WYOMING HYDROGEN

Why The Study Was Needed

Evolving and ever-changing energy markets illustrate the need to stay engaged and continue innovating in order to remain a leader in the energy realm. Wyoming has recently been working to add nuclear power generation to its energy portfolio, and hydrogen production could be another prosperous addition.

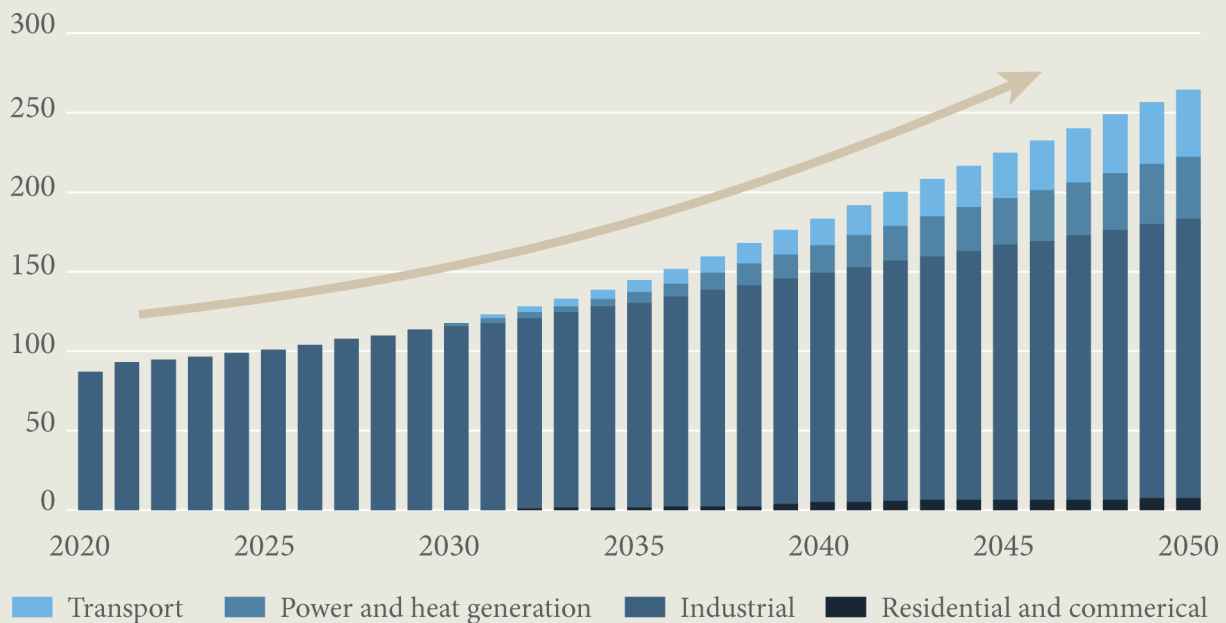
About The Study

This paper provides a comprehensive report on the potential markets, economics, and policies associated with commercial scale deployment of hydrogen in Wyoming. This includes providing detailed descriptions and existing legal and regulatory frameworks associated with hydrogen production, transportation, and storage. The paper also contains an in-depth analysis of potential markets for Wyoming hydrogen and potential jobs and economic benefits, as well as policy recommendations and incentives to support the State's efforts to become a competitive hydrogen provider.

What The Study Concluded

As energy markets continue to evolve, it will be important for Wyoming to stay engaged and continue innovating to maintain a competitive advantage as an energy leader. Current investments in emerging technologies, such as nuclear energy and carbon capture and storage, will help the State retain its role as the third-biggest energy supplier in the United States. Hydrogen production could be a prosperous part of maintaining this position, particularly as hydrogen demand is expected to more than double by 2050.

GLOBAL HYDROGEN DEMAND IN END-USE SECTORS (*million mt*)



Source: Santiago Canel Soria and Adriana Campos, *Geologic hydrogen attracts interest as a clean energy source*, S&P GLOBAL (Oct. 18, 2023), <https://www.spglobal.com/commodity-insights/en/news-research/latest-news/energy-transition/101723-geologic-hydrogen-attracts-interest-as-a-clean-energy-source>.

AUTHOR

Esther Wagner

Sr. Research Professional, Energy Policy,
University of Wyoming School of Energy Resources,
Center for Energy Regulation and Policy Analysis

Dawson Kluesner

Director of External Affairs,
Wyoming Association of Municipalities

Read The Paper
bit.ly/CERPAPublications



School of Energy Resources
Center for Energy Regulation
& Policy Analysis