

Renewable Hydrogen Production

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Abstract

The need for renewable energy in an environmentally constrained world leads us to examine the potential role of hydrogen produced from renewable sources. Rationales for renewable hydrogen include climate, local air quality, and sustainability goals. Hydrogen can be produced from a variety of current and potential new future renewable resources for applications including transportation and electricity generation. We also examine the effectiveness of a number of policies that have been implemented or adopted. These policies range from specific standards for renewable hydrogen production to broader policies to increase renewable energy or reduce GHG more broadly.

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