

National Energy Modeling System with Hydrogen Model (NEMS-H2)

(OnLocation, Inc.¹)

Objectives

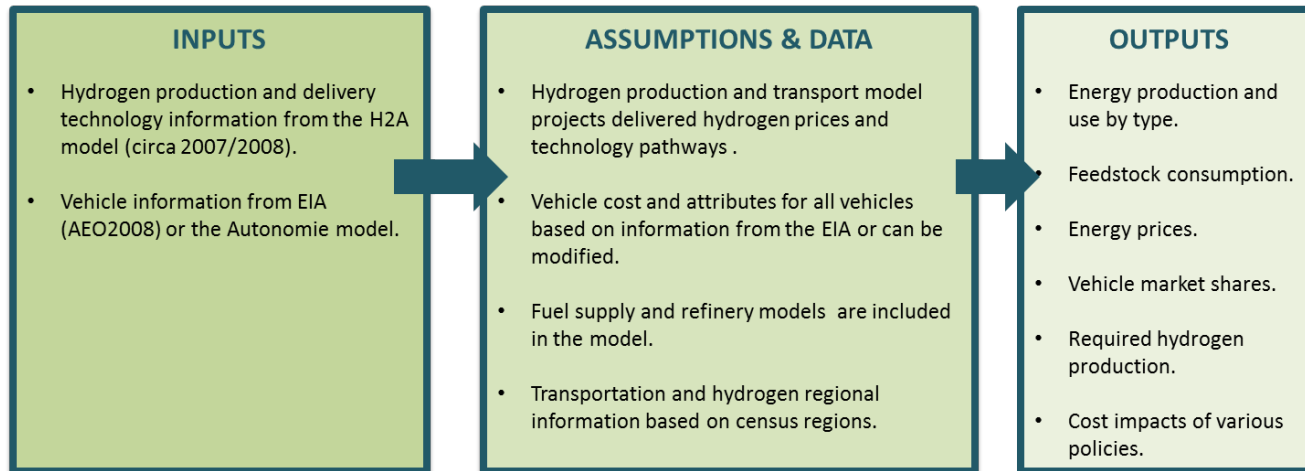
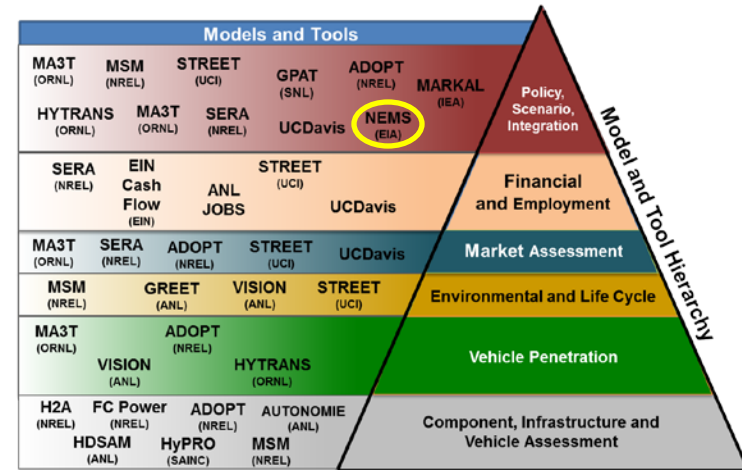
Estimate the energy, economic, and environmental impacts of alternative energy policies and different assumptions about energy markets.

Key Attributes & Strengths

NEMS-H2 is an integrated model that reflects feedbacks within the overall energy system. It is detailed and technology-rich, which allows the testing of various alternative technology assumptions.

Platform, Requirements & Availability

NEMS-H2 is a modular national economic model written in FORTRAN. Several modules use a commercial linear programming package, OML, which requires a software license. The model is available to the public, but its complexities and lack of user-friendly interface make it impractical for most users to run.



¹ OnLocation, Inc. developed NEMS-H2 based on the AEO2008 version of NEMS by U.S. DOE-Energy Information Administration.