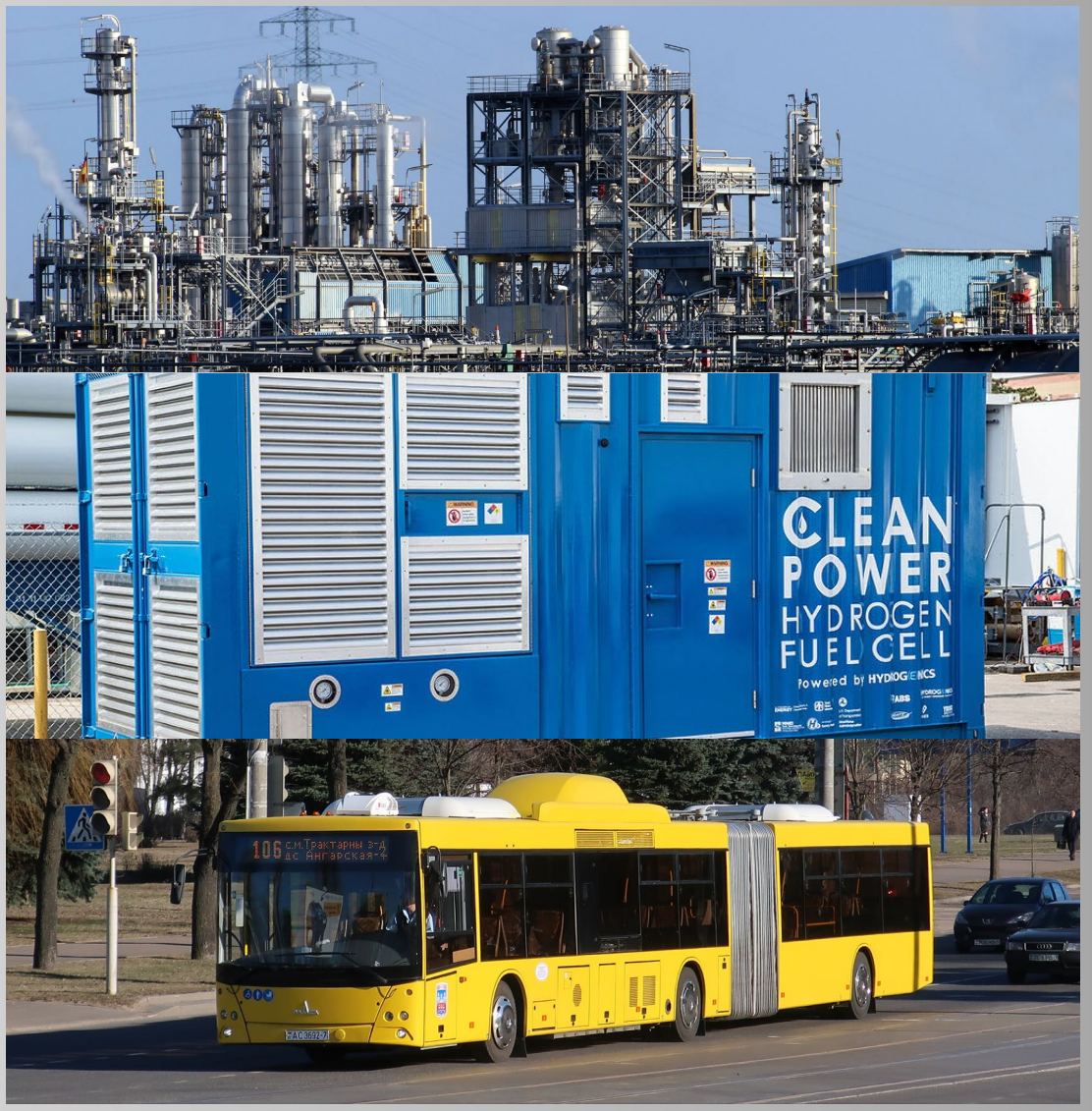
Hydrogen in the U.S. energy system: Webcast Forum on Modeling Challenges



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Sponsored by DOE's Offices of Fossil Energy - Clean Coal and Carbon Management and Energy Efficiency and Renewable Energy.

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Contact information:

Francisco de la Chesnaye, PhD
Vice President, Energy Strategy & Economic Policy
OnLocation, Inc.
fdelachesnaye@onlocationinc.com
www.onlocationinc.com

Forum Objectives

1. Learn of the decarbonization technology priorities from selected government agencies responsible for setting those priorities and informing climate mitigation policies
2. Compare modeling approaches and challenges of incorporating hydrogen in U.S. Energy-Economic Models from leading institutions.

- A summary report will be developed on the meetings conclusions and recommendations on next steps.

Morning Session: Research Priorities

9:10	**Jose Benitez**, Director, Div. of Systems, Economic and Environmental Analysis, Fossil Energy, DOE (NO PPT)
9:25	**Angelina LaRose**, Asst Administrator for Energy Analysis, EIA OK
9:40	**Steve Capanna**, Director, Technology Policy, Office of Policy, DOE NO PPT
9:55	**Morgan Browning**, Economist, Climate Economics, Climate Change Div., EPA OK
10:10	**Neha Rustagi**, Technology Manager, Hydrogen and Fuel Cell Technologies Office, DOE OK
10:25 – 10:45	Q&A and Discussion

15 minutes to identify the research priorities for your agency/department to fully enable a future U.S. hydrogen economy. These could include technology, policy, energy system, and/or environmental priorities among others.

Afternoon Session Two: Modeling Challenges

11:00	**Pete Whitman**, OnLocation & **Chris Namovicz**, EIA: National Energy Model System (NEMS) OK2
11:35	**Geoff Blanford**, EPRI: US-Regional Energy GHG Model (REGEN) OK
12:00	**Page Kyle**, JGCRI-PNNL: Global Change Analysis Model (GCAM)-USA
12:25	**Daniel Steinberg**, Group Manager, NREL: Renewable Energy Deployment System (ReEDS) Model
12:50	Q&A and Conclusion

35 or 25 minutes to describe what have been the more difficult challenges in modeling a future Hydrogen energy economy, including technology characterization, energy market dynamics, energy and environmental policies, model code development, etc.