

OKLAHOMA HYDROGEN TASK FORCE

SUBCOMMITTEE UPDATE

August 17, 2021



OKLAHOMA

Oklahoma Hydrogen Task Force Production Subcommittee

- Assist Market Uses Subcommittee with identifying the top three to five potential near-term market uses, including onsite generation and resources
- Identify recommendations for legislation and/or administrative rule changes needed to authorize and regulate hydrogen distribution
- Identify safety regulation issues and recommendations for hydrogen transport methods, including truck, pipeline, and barge, and for end uses
- Review available existing infrastructure and identify implications for existing network and energy markets, including blending in pipelines and providing multi-fuel stations

Oklahoma Hydrogen Task Force
Production Subcommittee - Continued

- Develop general cost estimates and review other pertinent impacts not previously identified
- Participate in and monitor opportunities within current U.S. Department of Energy research initiatives for studies of hydrogen in Oklahoma, such as carbon reduction or optimal natural gas blending percentages
- Identify timelines and recommended steps toward the ultimate goal of Oklahoma being a hydrogen producing state and identified as a national hub

Oklahoma Hydrogen Task Force

Distribution and Infrastructure Subcommittee

- Review and recommendations associated with legislation for authority to permit and regulate various distribution pathways
- Review and recommendations associated with safety regulations for hydrogen
- Extensive network of intrastate and interstate pipelines provides an advantage for Oklahoma
- Participate in and monitor opportunities within current U.S. Department of Energy research initiatives for studies of hydrogen in Oklahoma, such as carbon sequestration and optimal natural gas blending percentages



Oklahoma Hydrogen Task Force
Economic Opportunities, Taxation, and Incentives
Subcommittee

- Direct connection to market use committee – identify top market use and begin incentive construct based on top markets
- Define hydrogen production identify potential surface transportation refueling revenue potential
- Determine neighboring states' tax and incentive structures

Oklahoma Hydrogen Task Force

Market Uses Subcommittee

- Analysis of existing companies and identify end user for development of ecosystem of hydrogen production to utilization
- Low hanging fruit – industries already expressing interest in market utilization
- Identify and quantify the top three (3) to five (5) potential markets for hydrogen near term and long term
- In state utilization has limited market but ability to export holds the biggest market opportunity – need further review of regulations regarding exporting hydrogen

