

U.S. Department of Energy
Hydrogen and Fuel Cell Technologies Office (HFTO)

HFTO Workshop: Hydrogen Infrastructure Strategies to Enable Deployment in High-Impact Sectors
January 17 – 18, 2024 – The Curtis Hotel, Denver, CO

Day 1

- 8:00 – 8:30 *Breakfast*
- 8:30 – 8:45 DOE Welcome and Introduction – **Ned Stetson**, HFTO
- 8:45 – 9:15 Overview of National Clean Hydrogen Strategy – **Misho Penev**, NREL
- 9:15 – 9:35 DOE Strategy for MD/HD Transportation – **Mark Richards**, HFTO
- 9:35 – 10:15 Stakeholder Presentations: Deployment Activities
- DOE/DOT Joint Office of Energy and Transportation Perspective – **Steve Lommele**, Joint Office
 - Fleet Operators - **Matt Post**, Hatch
- 10:15 – 10:30 *Break*
- 10:30 – 11:30 Stakeholder Panel: Vehicle OEMs
- **Mike Veenstra** (Ford Motor Company), **Zach Barra** (Daimler Truck North America), **Keith Brandis** (Volvo Group), **Maarten Meijer** (PACCAR)
- 11:30 – 11:40 *Transition to breakout rooms*
- 11:40 – 12:40 Breakout sessions - 1: Vehicle, end user, and fleet requirements
- 12:40 – 1:40 *Lunch*
- 1:40 – 2:50 Stakeholder Presentations: Infrastructure Providers
- Hydrogen Stations - **Tim Brown**, First Element
 - Hydrogen Providers - **Luke Wentlent**, Plug Power
 - Equipment OEMs - **Brent West**, Fives Group
- 2:50 – 3:00 *Break*
- 3:00 – 4:00 Breakout sessions - 2: Hydrogen supply, delivery, and dispensing
- 4:00 – 4:10 *Transition to general session room*
- 4:10 – 4:55 Report-outs from breakout sessions
- 4:55 – 5:00 Summary/End-of-day remarks

Day 2

- 8:00 – 8:30 *Breakfast*
- 8:30 – 8:35 Introduction and Day 2 Agenda – **Zeric Hulvey**, HFTO
- 8:35 – 8:50 DOE Strategy for Energy Storage and Chemical/Industrial Processes Scenarios – **Zeric Hulvey & Marika Wieliczko**, HFTO
- 8:50 – 9:50 Stakeholder presentations: Industrial/Chemical Processes
- DOE Industrial Efficiency and Decarbonization Office Perspective – **Sam Gage**, Energetics

- Ammonia - **Joe Beach**, Starfire Energy
- Steel – **Steve Hammond**, NREL

9:50 – 10:05 *Break*

10:05 – 11:25 Stakeholder Presentations: Energy Storage

- DOE Office of Electricity Perspective – **Nyla Khan**, Office of Electricity
- Subsurface Hydrogen Energy Storage - **Jim Greer**, Advanced Clean Energy Storage – Delta, UT
- Utilities Perspective - **Katrina Regan**, Southern California Gas Company
- Data Centers - **Travis Wright**, QTS Data Centers

11:25 – 11:35 *Transition to breakout rooms*

11:35 – 12:35 Breakout sessions - 3: End user requirements in energy storage and industrial/chemical processes

12:35 – 1:35 *Lunch*

1:35 – 2:35 Stakeholder presentations: Storage and Delivery Technologies

- Hydrogen Pipelines – **Vincent Holohan**, DOT Pipelines and Hazardous Materials Safety Administration
- Pipeline Operator Perspective – **Joe Jun**, ExxonMobil
- Subsurface Hydrogen Storage – **Evan Frye**, DOE Office of Fossil Energy and Carbon Management

2:35 – 2:45 *Transition to breakout rooms*

2:45 – 3:45 Breakout sessions - 4: Storage and delivery technology development needs

3:45 – 3:55 *Transition to general session room*

3:55 – 4:35 Report-outs from breakout sessions

4:35 – 4:45 DOE Outlook – **Ned Stetson**, HFTO

4:45 *End of workshop.*