

U.S. Department of Energy Workshop: Compressed Gas Storage for Medium and Heavy Duty Transportation

Tuesday, January 21st, 2020

Meyer Room of the Curran Place Building
University of Dayton Research Institute
1700 S Patterson Blvd, Dayton, OH 45469

WORKSHOP OBJECTIVES

To identify **performance gaps and technology metrics** (e.g. weight, volume, cost, durability) that can enable competitiveness of compressed gas storage technologies in **medium- and heavy-duty transportation**.

AGENDA

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 – 8:30 am | Arrival/check in (<i>continental breakfast provided</i>) |
| 8:30 – 9:00 am | Introduction and Workshop Goals (Ned Stetson, <i>DOE</i>) |
| 9:00 – 9:30 am | DOE Heavy Duty Truck Targets (Jesse Adams, <i>DOE</i>) |
| 9:30 – 10:15 am | OEM’s Perspective (Mike Veenstra, <i>Ford</i> ; Giorgio Zoia, <i>Toyota</i>) |
| 10:15 – 10:30 am | <i>Coffee Break</i> |
| 10:30 – 11:45 pm | Breakout #1 <ul style="list-style-type: none">• Performance gaps and technology metrics for compressed gas storage in medium and heavy duty transportation |
| 11:45 – 12:45 pm | <i>Lunch (provided)</i> |
| 12:45 – 1:15 pm | Compressed Gas System Cost Analysis (Cassidy Houchins, <i>SA</i>) |
| 1:15– 1:45 pm | Composite Overwrapped Pressure Vessels Material Development (Amit Naskar, <i>ORNL/IACMI</i>) |
| 1:45– 2:15 pm | Carbon Fiber Manufacturing (Merlin Theodore, <i>ORNL</i>) |
| 2:15 – 2:30 pm | <i>Coffee Break</i> |
| 2:30 – 3:30 pm | Compressed Gas Tank Manufacturer’s Perspective
(Vladimir Kovalevsky, <i>McLaren/Linamar</i> ; Rick Rashilla, <i>Hexagon</i> ; Kaushik Mallick, <i>Steelhead</i> ; John Coursen, <i>Worthington</i>) |
| 3:30 – 4:30 pm | Breakout #2 <ul style="list-style-type: none">• R&D needs for compressed gas storage in medium and heavy duty transportation and DOE’s role in addressing those needs |
| 4:30–5:00 pm | Reports Out / Wrap-up / Action Items |