

## **Assessment of Technologies for Improving Fuel Economy of Light-Duty Vehicles – Phase 3**

### **Public Access File**

#### **Committee Meeting 2 (07/16/18)**

1. Ann Wilson, Motor & Equipment Manufacturers Association, “Driving the Future”
2. Bill Charmley, EPA
3. David Cooke, Union of Concerned Scientists, “Policy considerations for reducing fuel use from passenger vehicles, 2025-2035”
4. Steven Chalk, DOE, “DOE’s Research to Improve Transportation Energy Security and Affordability”
5. Andrew Higashi, PwC, “The Three Big Technology Trends”
6. US DRIVE “Codes and Standards Technical Team Roadmap”
7. DOE Office of Bioenergy Tech, Fuel Cell Tech & Vehicle Tech “Life-Cycle Greenhouse Gas Emissions and Petroleum Use for Mid-Size Cars”
8. DOE Office of Fuel Cell Tech & Vehicle Tech “Life-Cycle Costs of Mid-Size Light-Duty Vehicles”
9. US Drive “Advanced Combustion and Emission Control Roadmap”
10. David Cooke “Maximizing Benefits of Self Driving Vehicles”
11. US Drive “Electrochemical Energy Storage Technical Team Roadmap”
12. US Drive “Electrical and Electronics Technical Team Roadmap”
13. Fuel Cell Technologies Office Organization Chart
14. US Drive Fuel Cell Technical Team Roadmap
15. US Drive Fuel Pathway Integration Tech Team Roadmap
16. US Drive Grid Interaction Technical Team Roadmap
17. US Drive Hydrogen Delivery Technical Team Roadmap
18. US Drive Hydrogen Production Technical Team Roadmap
19. US Drive Hydrogen Storage Technical Team Roadmap
20. US Drive Target Explanation Doc “Onboard Hydrogen Storage for Light-Duty Fuel Cell Vehicles”
21. US Drive Integrated Systems Analysis Technical Team Roadmap
22. US Drive Materials Technical Team Roadmap
23. US Drive Vehicle Systems Analysis Technical Team Roadmap
24. Vehicle Technologies Office Organization Chart
25. Michael Olechiw, EPA, “End-to-End Use of ALPHA Vehicle Simulation in EPA’s GHG Standards Assessments: From Baseline to Future Fleets”
26. Daniel Barba, DOE, “Assessing the Efficiency Potential of Future Gasoline Engines”

#### **Committee Meeting 3 (10/15/18 – 10/16/18)**

27. Huei Peng, University of Michigan, “Energy Saving Through Connected and Automated Vehicles – what we learned at UM/Mcity”
28. Sheryl Connelly, Ford Motors, “Ford Future Trends”
29. Christopher Reed, Nissan, “Nissan’s Sustainability and Light Duty FE Strategy 2025-2035”
30. John Juriga, Hyundai, “Powertrain Technology 2025 and Beyond”
31. John E. Kirwan, Delphi Technologies, “Future propulsion Systems”
32. Anthony Norton, Altair, “Enlighten Award 2018”
33. Matthew Marks, SABIC, “Plastics in the Auto Industry, Today and into the Future”

#### **Committee Meeting 4 (1/24/19)**

34. Joshua Cunningham, California Air Resources Board, “Presentation to the National Academies of Sciences Committee on the Assessment of Technologies for Improving Fuel Economy of Light-Duty Vehicles”
35. Carolyn Sisto, California Public Utilities Commission, “CPUC Transportation Electrification Activities”

36. Adam Gromis, Uber, “A Shared Future of Mobility”
37. Tim Olson, California Energy Commission, “CEC Investments in Alternative Transportation Fuels/Technology”
38. Alissa Kendall, UC Davis, “Life cycle carbon intensity and vehicle trends”
39. Gil Tal, UC Davis, “Advanced Plug-in Electric Vehicle Travel and Charging Behavior”
40. Scott Hardman, UC Davis, “Partially automated vehicles and travel behavior”
41. David Rapson, UC Davis, “Fuel Economy in the Future: Behavioral Considerations”
42. Joan Ogden, UC Davis, “Making the Transition to Light-duty Electric-drive Vehicles in the U.S.”
43. Ken Kurani, UC Davis, “(How) Do Car and Truck Buyers Think about Fuel Economy”
44. Alan Jenn, UC Davis, “Considerations for improving fuel economy, 2025-2035”

#### **Electric Vehicle Charging Infrastructure Webinar (5/2/19)**

45. John Smart, INL, “Charging Infrastructure for Shared and Autonomous EVs”
46. Eric Wood, NREL, “UV EV Infrastructure: Analysis and Projections”
47. Matthew Nelson, Electrify America, “Cycle 2 National Outreach –Lessons Learned”
48. Patrick Bean, Tesla, “Tesla Vehicles and Charging Networks”
49. Erik Figenbaum, Norwegian Institute of Transport Economics, “Norwegian EV Charging Infrastructure and User Experiences”

#### **Materials for Improved Fuel Economy Webinar (5/17/19)**

50. Jose Chirino, LANXESS, “LANXESS High Performance Materials Addressing the trends in automotive”
51. Todd Summe, Novelis, “Fuel Economy with Aluminum”
52. George Coates, World Auto Steel, “Steel Developments for Automotive Lightweighting”

#### **Hydrogen Fueling Infrastructure (6/26/19)**

53. Bill Elrick, CaFCP, “The California Fuel Cell Revolution: Activating the Commercial Market”
54. Amgad Elgowainy, ANL, “Economic and Environmental Perspectives of Hydrogen Infrastructure Deployment Options”
55. Dave Edwards, Air Liquide, “H2 Energy at the heart of the energy transition”
56. Jason Munster, Shell, “Hydrogen for Transport”
57. James Kast, Toyota, “Global Hydrogen Mobility Applications”

#### **Safety Webinar (9/19/19)**

58. Tom Wenzel, LBNL, “Relationships between Mass, Footprint, and Societal Fatality Risk in Recent Light-Duty Vehicles”
59. Chuck Farmer, Insurance Institute of Highway Safety, “Fuel Economy and Highway Safety”
60. Randa Radwan, UNC Highway Safety Research Center, “CAE Methodology for Evaluation of Fleet Crash Protection of New Vehicle Designs”
61. Priya Prasad, Prasad Consulting, LLC, “Safety Effects of 2025+ Fuel Economy Goals”

#### **Public Comment (12/20/19)**

62. AAM & AGA- Joint Comment to NAS Fuel Economy Committee Re Fuels

#### **Lightweighting and Optimization Webinar (1/6/20)**

63. Tim Skszek, Magna International, “National Academies Design Optimization Webinar”
64. Richard Yen, Altair, “Simulation-Driven Lightweight Design for Automotive Structures”
65. Amory Lovins, Rocky Mountain Institute, “Integrative Design of Automobiles”

*Please contact [Rebecca DeBoer](#) to request materials included on this list.*