WELCOME!

NHTSA, EPA and CARB Workshop on Technology Effectiveness Modeling Methodologies for the Midterm Evaluation Draft Technical Assessment Report Analysis for CAFE Standards and GHG Standards

March 1, 2016
Agenda

10:00 - 10:15  Welcome and Opening Remarks by NHTSA, EPA, and CARB
   - Jim Tamm, Chief, Fuel Economy Division, NHTSA
   - Mike Olechiw, Director, Light-duty Vehicles and Small Engines Center, EPA
   - Mike McCarthy, Vehicle Program Specialist, California ARB

10:15 – 12:00  Modeling Methodology for NHTSA CAFE Analysis
   ▶ CAFE Model Overview and Role of Technology Effectiveness
      - Kevin Green, Chief, CAFE Program Office, Volpe Center
   ▶ ANL Autonomie Overview
   ▶ Control Development and Model Validation
   ▶ Estimating Technologies’ Effectiveness with Full Vehicle Simulation
      - Aymeric Rousseau, Manager, Systems Modeling & Control Group, ANL
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12:00 - 1:00  Lunch Break

1:00 – 2:00  Modeling Methodology for NHTSA CAFE Analysis

- Vehicle Powertrain Sizing Algorithms and Validation
- Vehicle Simulation Results Quality Check Process
  - Aymeric Rousseau, Manager, Systems Modeling & Control Group, ANL

- Vehicle Simulation Results Usage in the CAFE Model
  - Ryan Keefe, Research Analyst, CAFE Program Office, Volpe Center
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2:00 – 3:30  Modeling Methodology for EPA GHG Analysis
   ▶ Model Overview and the Role of Technology Effectiveness
      - Kevin Bolon, Assessment and Standards Division, EPA
   ▶ ALPHA Effectiveness Modeling
      - Daniel Barba, Director, National Center for Advanced Technology, EPA
      - Kevin Newman, ALPHA Team Leader, NCAT, EPA
   ▶ OMEGA Modeling of Potential Compliance Pathways
      - Kevin Bolon, Assessment and Standards Division, EPA

3:30 – 4:00  Q&A, Wrap-up