VMT Reduction and Legacy Fleet Improvement

Overview

Yury Kalish
Department of Energy
May 18, 2012

Project ID #
VSS082

This presentation does not contain any proprietary, confidential, or otherwise restricted information
• The History of This Line Item
• Budget
• Tire Technology Projects
• Driver Feedback Projects
• Future Plans
Objective
  - Affect fuel consumption of the existing fleet

Tire Technology:
  - No significant DOE-funded work in the last several years

Driver Feedback:
  - First effort: NREL project in 2010-2011 to help establish goals

Current status:
  - 3 projects in tire technology
  - 2 projects in driver feedback
• Budget Line
  – Vehicle Technologies
    • Outreach, Deployment & Analysis
      – VMT Reduction and Legacy Fleet Improvement

• Funding
  – FY2012 Omnibus Bill: $3M
  – FY2013 request: $2M
Tire Technology

- Technical objectives:
  - 2% reduction in fleet fuel consumption
- Projects
  - Two projects on reducing rolling resistance
    - Cooper
    - PPG
  - One project on automatic tire inflation
    - Goodyear

Ref. DOT HS 810 561, p. 18
Ref. TRB Report 286, p. 19 (Source: RMA 2005 data)
• Technical objectives:
  – 2% reduction in fleet fuel consumption
• Projects
  – University of California - Riverside
  – Eaton
Future Plans

- Ensure successful completion of the ongoing projects
- Evaluate other means of affecting legacy fleet
- Consider approaches to reducing VMT