



Clean Diesel Engine Implementation Workshop

**Timeline for Vehicle and Engine Integration –
Facilitating Field Testing**

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**AMERICAN
TRUCKING
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Fleet Concerns

★ Reliability

- Performance (advance field testing by fleets)
- Availability of parts
- Warranties

★ Economic Impacts

- Truck pricing increases
- Fuel economy penalties
- Fuel price increases

★ Fuel

- National availability





Need for All Stakeholders to Work Together

- ★ On-going and open dialogue is critical and must be encouraged
- ★ EPA must openly share information and data (non-CBI) with all interested stakeholders





Solution 1: Establish Timeline with Achievable Milestones

- ★ **Recognition of/adherence to agreed implementation timeline**
 - **Engine, truck, after-treatment manufacturers; fleets; EPA**
 - **Technology path selection in mid-2003**
 - **Chassis development, validation and integration to begin in early 2004**
 - **24-18 months needed for fleet field testing**





Solution 2: Develop Financial Incentives

- ★ **Engine/truck manufacturers**
 - **Promote earliest delivery dates for fleet field testing (financial incentive program) to ease reliability concerns**
- ★ **Fleets**
 - **Promote new truck purchases after 01/01/07 through financial assistance to avoid pre-buys and low-buys**
 - **Offset possible fuel cost increases**





Solution 3: Conduct Fuel Economy Analysis

- ★ **Still awaiting fuel economy analysis of engines produced under terms of 1998 Diesel Engine Consent Decrees**
- ★ **Request analysis and results by early 2006**
- ★ **Analysis to be made publicly available to assist fleets in making informed purchasing decisions**





Solution 4: Share Fleet Field Testing Results

- ★ **To extent possible, develop means to share field test results with trucking industry to assist fleets in making informed purchasing decisions**
- ★ **Request analysis and results by early 2006**





Conclusions

- ★ **List of solutions not exhaustive**
- ★ **We must all think outside of the box for creative solutions for successful implementation of the Rule**
- ★ **Many questions remain and the 2006/2007/2010 clock is ticking**

