Vehicle GHG – Workshop

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Overall

- Reducing mass reduces CO2
- Lotus & other reports good first step
- Support the recommendations of Lotus
- Propose additional areas of study
Lotus Recommendations

- BIW – designed and analyzed for
  - Body stiffness
  - Modal characteristics
  - Impact Performance
  - Mass and cost (tooling & piece)

- Closures – designed and analyzed for
  - Front, rear, side impact performance
  - Mass and cost (tooling & piece)
Lotus Recommendations

- Chassis/Suspension – Designed and analyzed for
  - Suspension geometry
  - Suspension loading
  - Mass and cost (tooling & piece)

- Interior – Designed and analyzed for
  - Occupant packaging
  - Head impact performance
  - Mass and cost (tooling & piece)
Additional Study

- Baseline vehicle
- Materials issues
- Functionality of light-weight components
- Weight of additional safety requirements
- Engineering, research, development, manufacturing, and tooling costs
- Lead-time provision
- Scalability of recommendations