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Panel #3

On-Road Light-Duty Vehicle Strategies

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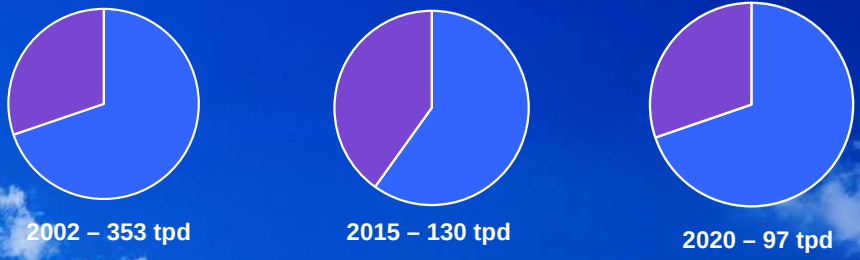
Objectives

Discuss potential on-road light-duty vehicle control concepts focusing on technology availability and development, as well as accelerated implementation.

VOC Emissions



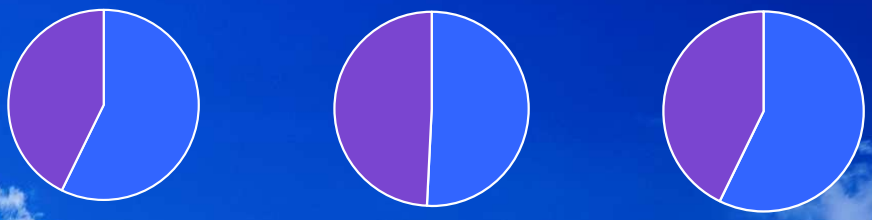
2002 – 353 tpd

2015 – 130 tpd

2020 – 97 tpd

Passenger Light-Duty Trucks

NOx Emissions



2002 – 272 tpd

2015 – 79 tpd

2020 – 52 tpd

Passenger Light-Duty Trucks

Potential Strategies

- Advanced Power Train Systems
- Clean Fuels
- Engine Technology
- Fleet Modernization
- Fuel Cells and Hydrogen
- Hybrid/Plug-in Hybrid Technologies
- Incentive Programs
- Retrofit Technologies
- Smog Check

Considerations

- New LDV sold today will most likely still be in fleet through 2021
- ZEV Symposium September 2006 to address ZEV mandate

Panel #3 Questions:

- Recommend three control strategies that in your view would provide a significant contribution to the emission targets in the time frame specified
- Describe the problems you see as a barrier to the introduction of clean air technologies; and
- Suggest the one research priority the air agencies should engage in for the next 5 to 10 years