

2009 Sustainability and Public Transportation Workshop

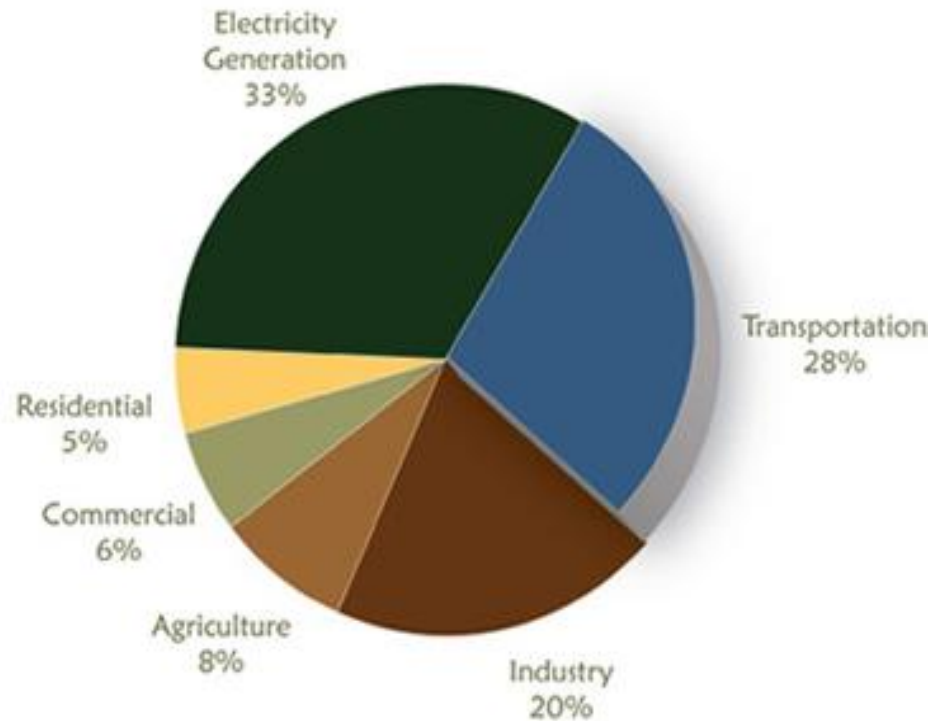
Real Transportation Solutions

August 3, 2009

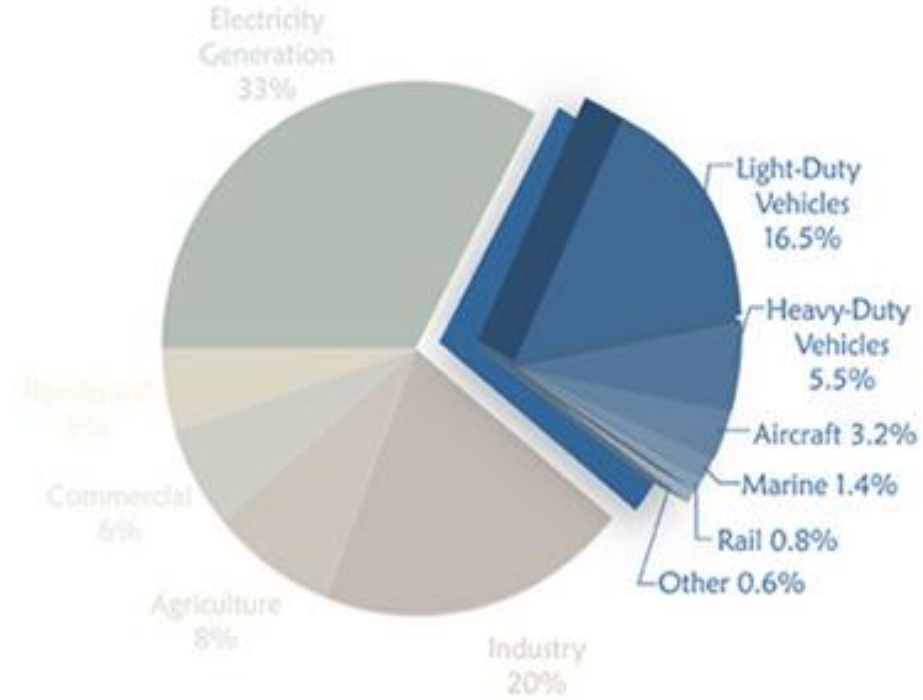
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GHG Emissions

Emissions by End Use Economic Sector

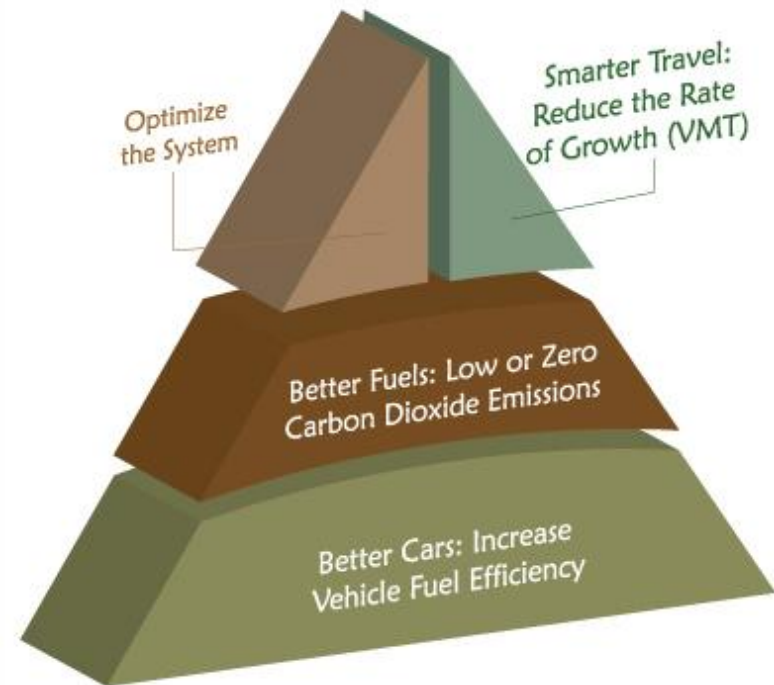


Emissions by Transportation Mode



Real Transportation Solutions

- Reduce GHG's 80% by 2050
 - Achievable through four basic strategies:
 - Smarter Travel
 - Better Cars
 - Better Fuels
 - Optimize the System



Smarter Travel

■ Reducing the growth of vehicle miles traveled:

- Bus Rapid Transit
- Intercity Bus System
- Commuter Rail
- Biking and Walking
- Carpooling
- Telecommuting
- Congestion Pricing
- Land Use Strategies



Better Cars

- New gas powered cars will use less fuel
 - Today average=20 mpg
 - New standard=39 mpg for cars and 30 mpg for trucks by 2016
- Electric Vehicles
- Hybrid Vehicles
- Natural Gas Vehicles

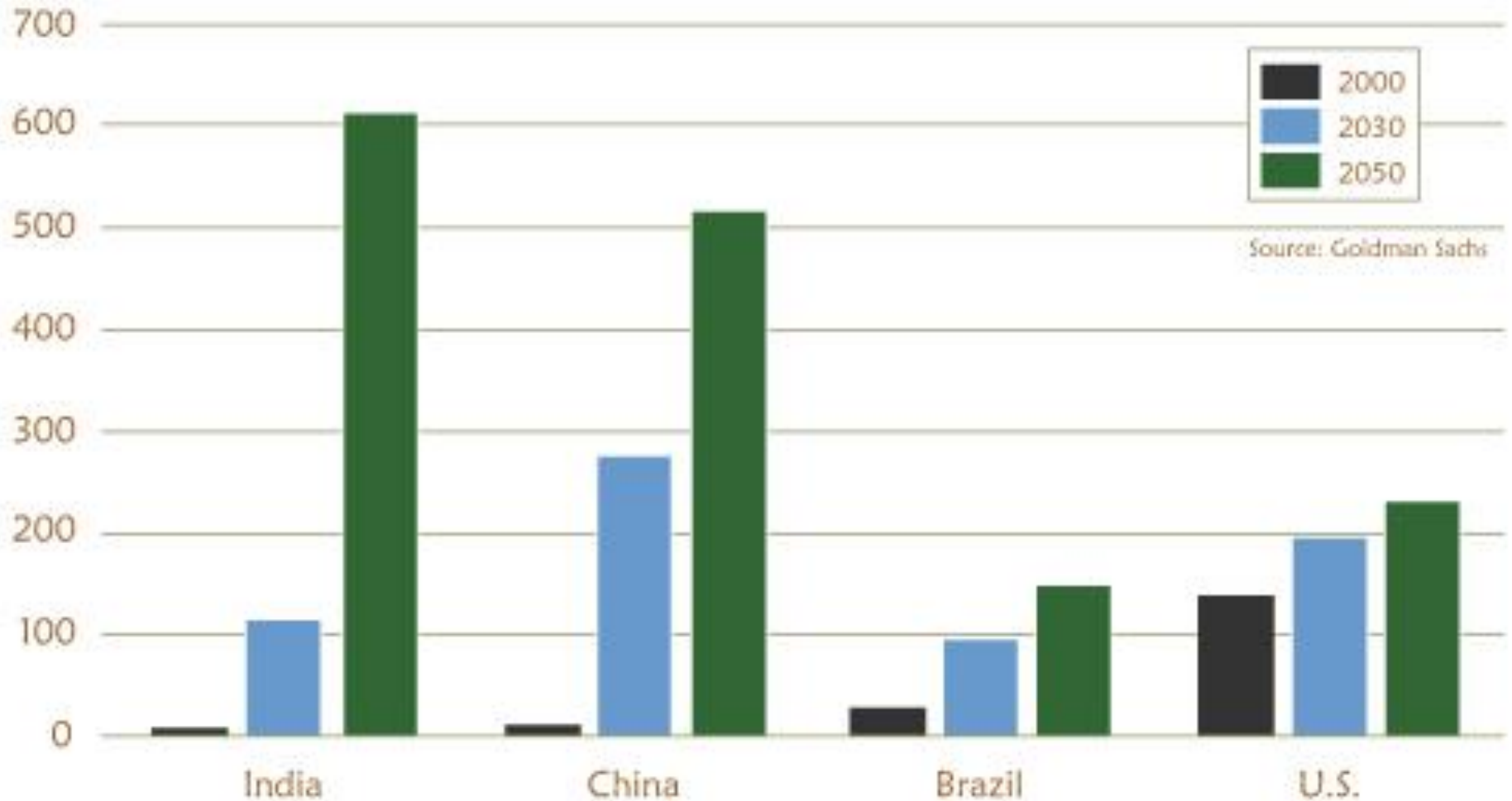


Better Fuels

- Shifting to fuels that produce low or zero carbon dioxide emissions
 - Hybrids
 - Electric
 - Natural Gas
 - Hydrogen



Owned Cars Projections (In Millions)



Optimize the System

- Reduce traffic delays
- Ramp metering
- Provide real-time traveler information
- Install advanced traffic signal controls
- Manage available road capacity
- Quickly clear incidents
- Eliminate chokepoints



Endorsements to Reduce GHG

- Public participation and transparency to develop strategies.
- Strong Federal R&D to develop cleaner vehicles and fuels.
- Reducing VMT growth rate to 1% annually.
- Doubling transit ridership.
- Support for bicycling and walking – \$500 million yearly.
- Intensified funding for more efficient highway operations.
- Significant increases in intercity passenger rail.
- Increased reliance on non-highway modes for freight transportation.
- A new Federal program of \$100 million annually to coordinate and improve land use.
- Increased transit funding from \$10.5 billion to \$18.5 billion yearly.

