

Getting on the Right Side of History



Transportation and
Development in a Climate
Constrained World

ULI Annual Meeting, Miami, Florida Oct. 30, 2008

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The U.S. transportation system is the world's largest.

- 5.4 trillion passenger-miles per year
- 3.8 trillion ton-miles of freight per year
- Consumes more petroleum than any country in the world.
- Emits more CO₂ than any nation in the world except China.
- 72% from highway vehicles, over half from cars and light trucks

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Transportation faces several serious Challenges

- Transport = 33% of US carbon emissions.
- Accounts for 65-70% of US oil consumption.
- Sprawl and congestion: transportation unconnected to land use
- 1985-2005 population grew 1% per year, Vehicle Miles Traveled grew 3% per year.
- The federal transportation trust fund went broke in September 2008.
- 20 transportation trust funds are almost broke

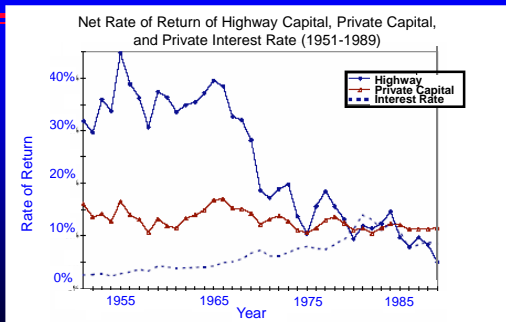
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Transpo: Five Levels of Denial

- Global warming doesn't exist
- If it does exist, It's not our problem
- If it is our problem, technology will solve the problem
- If technology can't solve the problem, politics are too difficult ("people love their cars.")
- If we could do something, the developers will screw it up ("it's a land use problem").

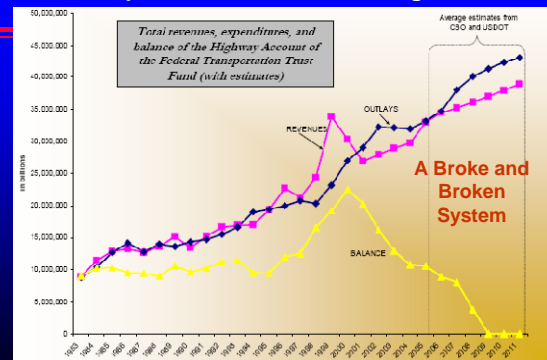
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Highway Economic Return

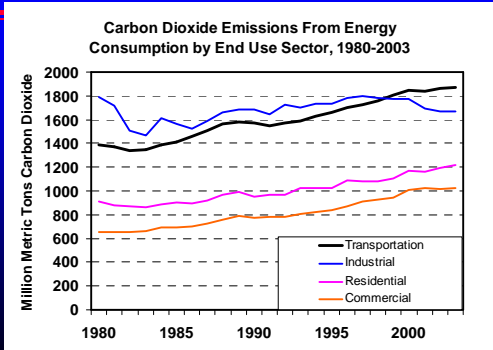


M. Ishaq Nadeem and Theodoris P. Mamounes, *Contribution of Highway Capital to Industry and National Productivity Growth*, prepared for the Federal Highway Administration, September 1996

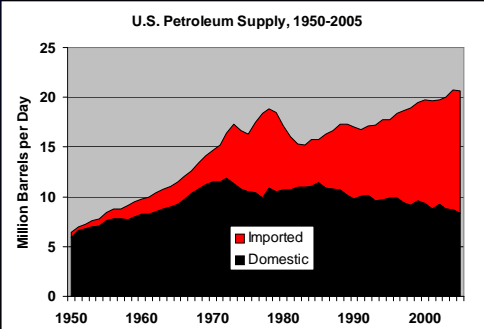
US Transportation Trust Fund Going Bust



Among the energy end use sectors, transportation is the largest emitter of CO₂



AND the peaking of U.S. petroleum supply in 1972.



The World In Post Peak Oil Era

- Post Peak Oil is either a blessing or curse:
 - Social chaos
 - Reshape our society
 - Manhattan Project to create new energy source
 - Massive Energy Efficiency
- Energy Data Reform would end Peak Oil Debate.

"We" have ability to choose which path to take.

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The Solution: Transportation, Climate and Energy Independence "Trifecta"

- Enact a transportation bill with \$30 billion above present gas tax revenues of about \$37 billion Annually for smart growth infrastructure transit, TOD, workforce housing bike/ped. etc.
- Enact a climate bill that allocates \$30 billion in auction allowances to climate-friendly transportation
- Enact a National Infrastructure Investment Bank bill that bonds against future climate auction allowances to capitalize a \$100+ billion transit investment program

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Developer Interests in Trifecta

- Increase federal funding in support of smart growth developments
- Carbon Offsets for projects that reduce carbon footprint
- Waivers from climate impact analysis and permits for qualified projects.

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Making It Happen in the 2009 Transportation bill

- Make "TOD ready" development eligible for federal transportation \$\$
- Increase investment in transit and alternative modes
- Require concurrent transportation and land development planning (SB 375)
- Make Energy Independence and Climate Protection a national transportation goal.

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Transportation for America Campaign

- Smart Transportation: Bring People to the Infrastructure, not infrastructure to the people
- Transportation as a tool for community development:
- Energy Independence, Affordable Housing and Climate as transportation objectives
- Hold all partners accountable for results

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www.transportation4america.org

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