

The Future of Transport Demand

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Determinants of Transportation Energy Use

- A. Demand for Mobility: A growing economy requires greater access to people, services, and markets, including labor markets.

Land-use policies can greatly affect the level and type of transportation services required and energy consumed

- B. Transport Modes Emphasized: Non-motorized, motorized, virtual (internet)

Determinants of Transportation Energy Use, Cont.

C. Technology

1) Vehicle Efficiency

- a. Car-Miles per Gallon
- b. Bus-Miles per Gallon

2) Passenger Efficiency (load factor)

- a. Passenger-Miles per Car Vehicle-Mile
- b. Passenger-Miles per Bus Vehicle-Mile

3) Technology Efficiency

- a. Car Passenger-Miles per Gallon
- b. Bus Passenger-Miles per Gallon

Projecting the Future of Transport Demand in the Long Term

- Is the Past Prologue? What will the future look like?
- How will access to markets, services, and people be provided in the future?
- How will urban form affect the future demand for mobility?
- Will the role of public transport continue to decline in today's rapidly developing Asian economies? Will non-motorized transport disappear with economic development?
- Will oil continue to be the primary transport fuel?
- If vehicle efficiency is the only policy tool considered, can we tell a plausible economic growth/ mobility/ and fuel consumption story for the rapidly developing non-OECD nations?

The Future of Transport Demand Presentation Order

Moderator: Andy S. Kydes

Speakers:

- Lew Fulton
- David Greene
- Lee Schipper