



**Asia-Pacific
Economic Cooperation**

2011/SOM1/EWG/WKSP3/018

Agenda Item: VII.1

Next Steps for China

Submitted by: China



**APEC Cooperative Energy Efficiency
Design for Sustainability - Energy Efficient
Urban Passenger Transportation
San Francisco, United States
14–16 September 2011**

Next Steps for China

Professor Lu Huapu

Flowchart to promote the energy efficient urban passenger transport system planning and implementation in China

- Propose a policy recommendation for central government;
- Perform a demonstration project together with local government;
- Hold two workshops: a best practice and demonstration project symposium;
- Promote to launch a national policy white book.

Key points for recommendation

1. Land Use and Urban Planning

Regional (not local) planning is key

For all newly developed towns and major expansions, mandate:

- Integration of transport with all types of land uses
- Mixed land use (residential, working and commercial)
- Limits on size of new residential buildings
- Promotion of walking and biking

**Tie land use and urban planning decisions to “Eco-City” goals in current 5-year plan – e.g., compact urban design

Hu

2. Mass Transit

- **Increase number and capacity of BRT systems**
- **Increase capacity of current bus systems**

****Need to provide adequate and attractive alternative transportation options in order to entice people out of their cars!**

3. Set Clear Priorities for Roads

Roads management and development should give priority to the following:

1. Walking and biking
2. Mass Transit
3. Electric bikes (separate lane, speed limits?)
4. Cars (promote electric, smaller cars)

4. Influencing Behavior

Discourage car use & encourage walking/biking and use of public transit by:

- Limiting parking (e.g., capping the number of parking spaces for residential and commercial developments) or charging higher fees
- Introducing congestion charging
- Improving capacity of and accessibility to public transit
- Requiring housing maintenance fees to include transport passes
- Increasing popularity of bicycling through social media (e.g., highlight health effects, fun)

5. Demonstration in 1 city

- Potential candidate: Changsha
 - Medium size (~2 million people)
 - Good transport infrastructure
 - Leadership interested in transport policy
- Process
 - Create expert group
 - Develop comprehensive transport and land use plan
 - Secure significant co-funding with local gov. and/or international funding institution
 - Implement plan
 - Publicize results