



**Asia-Pacific  
Economic Cooperation**

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Agenda Item: VII.4

## **Next Steps on EE in Transportation**

Submitted by: Thailand



**APEC Cooperative Energy Efficiency  
Design for Sustainability - Energy Efficient  
Urban Passenger Transportation  
San Francisco, United States  
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## Next Steps on EE in Transportation

Ideas of Thai Delegates  
advised by APEC Experts

### Clear Targets

- Setting up Goals and Targets with a specific time frame – e.g.
  - EE / Environmental goal including GHG emission
  - Reduce travel time
  - Reduce travel distance growth rate
  - Increase the efficiency of fleet logistics

## Information and Education

- Web
- Mobile Information
- Intelligent Traffic Information System
- Pamphlets, brochures,
- TV, Radio campaign
- School programs
- Eco Driving training

## Improve Public Transport

- Increase the use of Public Transport
- Expansion of Mass Rapid Transit
- Quality of Bus services – develop Gold standard BRTs
- High EE / CNG driven Buses
- Intelligent Routing system
- Real-time passenger information
- convenient ticketing system – one ticket for all
- Improve Park & Ride facilities
- Car-pooling vans

## Demand Pricing

(once public transport is a good alternative)

- Road User Charges (Time of Use / Zones / Emission)
- Pay-as-you-Drive Insurance

## Urban Planning

- TOD with Self Sufficient District
- Better City Planning (zoning Industrial / Commercial / Residential Zoning)
- Bicycle / Walking Lanes – street design standard, complete street, traffic calming

## Promotion High EE Vehicles

- Eco Cars, FFVs, Hybrid, Hydrogen, EVs
- R&D for fuel efficiency technologies
- Energy Labelling
- Tax privileges for high EE vehicles
- Car parking / HOV lane privilege
- High Fuel Economy Standards

## Institutional /Capacity Building

- Good coordination among agencies involved – horizontal and vertical cooperation
- Good and Practical Database
- Enhance capacity and skills + Knowledge Management
- Systematic and Regular Monitoring and Evaluation / Reporting / Plan Revision (if necessary)
- Good Governance and accountabilities

## Possible Immediate Actions

- Cooperation with Private and Government agencies to promote EE in transport
  - Bangkok Mass Transit Authority
  - Airport Authority
  - Government-owned vehicles
  - Waterway Improvement – LNG / Biofuel / Solar Ferries
  - Private Sectors - Siam Cement Groups, CP Groups, Sahaphat Groups, Hypermarket Superstores