

Regional Overview

Asia-Pacific

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Lead Phase-out

- **Cambodia** - no clear information available
- **Laos** - no leaded fuel according to Dept. of Transport of Lao PDR
- **Mongolia** - conflicting reports from different sources; 2005 gov't resolution to go unleaded by 2008-2010
- **Myanmar** - no recent data available; leaded based on 2004/2005 information



Sulphur Phase Down

- PCFV activities in Asia (2009)
 - Regional Workshop on Partnership for Clean Fuels and Vehicles for East Asia
 - Countries present: Cambodia, China, Indonesia, Lao PDR, Malaysia, Mongolia, Myanmar, Philippines, Republic of Thailand and Vietnam
 - Fourth Regional Environmentally Sustainable Transport Forum (Seoul)
 - National workshops in Vietnam and Philippines



Sulphur Phase Down

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Bangladesh							5000													
Cambodia					2000				1500											
Hong Kong, China		500					50					10 ^a								
India (nationwide)	5000				2500					500					350					
India (metros)	5000				2500	500				350 ^a					50 ^a					
Indonesia	5000										3500				2000					
Japan ^b	500									50		10								
Malaysia	5000		3000				500 ^c							500 ^d						
Pakistan	10000						7000 ^c									500				
Philippines	5000					2000			500											50 ^a
PRC (nationwide) ^{e,f}	5000						2000			2000 & 500										
PRC (metros) ^g	5000						2000		500	350			50							
Singapore	3000		500								50									
South Korea	500							430	100		30	15(10) ^f								
Sri Lanka	10000							5000 ^d			500						50 ^a			
Taipei, China	3000			500			350		100				50							
Thailand	2500			500					350								50			
Viet Nam	10000											500								
European Union					500					50(10) ^f			10							
United States	500										15									

Source: CAI-Asia. 2009



SGPM



Cleaner Vehicles

- Clean fleet toolkit training
 - Asia and Philippine Launch of Toolkit
 - Briefing and trainings to about 70 companies in the Philippines and Indonesia
 - Case study of Manila Electric Company (Meralco)
- Cleaning Up Urban Bus Fleets publication
- Improving vehicle emission standards
- Global Fuel Economy Initiative
 - Indonesia Steering Committee formed



Lessons Learnt and Challenges

- Broad stakeholder support needed throughout the roadmap development and implementation process
- Strong bias to keeping status-quo
- Use of economic instruments insufficient
- Economic-related studies needed at the national level
- Managing demand for Toolkit training
 - Eco-fleet Imperative of Partnership for Clean Air, Philippine Business for the Environment, CAI-Asia and company signatories to Philippine Business Covenant for Climate Action
 - Proposal for regional Toolkit training system



Clean Air Initiative for Asian Cities

- Developed the Roadmap for Cleaner Fuels and Vehicles in Asia
- Dialogue with stakeholders
- Translate Asia Roadmap into national legislation
- Pilot project: Green Freight China
- Propose approach for fuel economy in ASEAN region (supported by FIA Foundation)



Green Freight China

- Developed a “proof of concept” for a truck program in Guangzhou and Pearl River Delta (PRD) that aims to:
 - Enhance fuel economy of the truck fleet in PRD
 - Reduce black carbon and other air pollutants from trucks
 - Consequently obtain GHG emission savings
- Adopts a co-benefits approach!
- Partners:



Guangzhou
Project
Management
Office



Guangzhou
Environmental
Protection
Bureau



Fuel Economy in ASEAN

- Provide a basis for ASEAN and its member countries to adopt a pro-active approach to promoting fuel economy and developing or strengthening fuel-economy policies and standards
 - Background report on fuel economy in the ASEAN
 - A proposed approach to promote and institutionalize fuel economy in the ASEAN and member countries

