



Thailand Country report **Intergovernmental 8th Regional Environmentally** **Sustainable Transport Forum in Asia**

17 – 20 November 2014

Ministry of Transport
and Ministry of Natural resources and Environment
Thailand

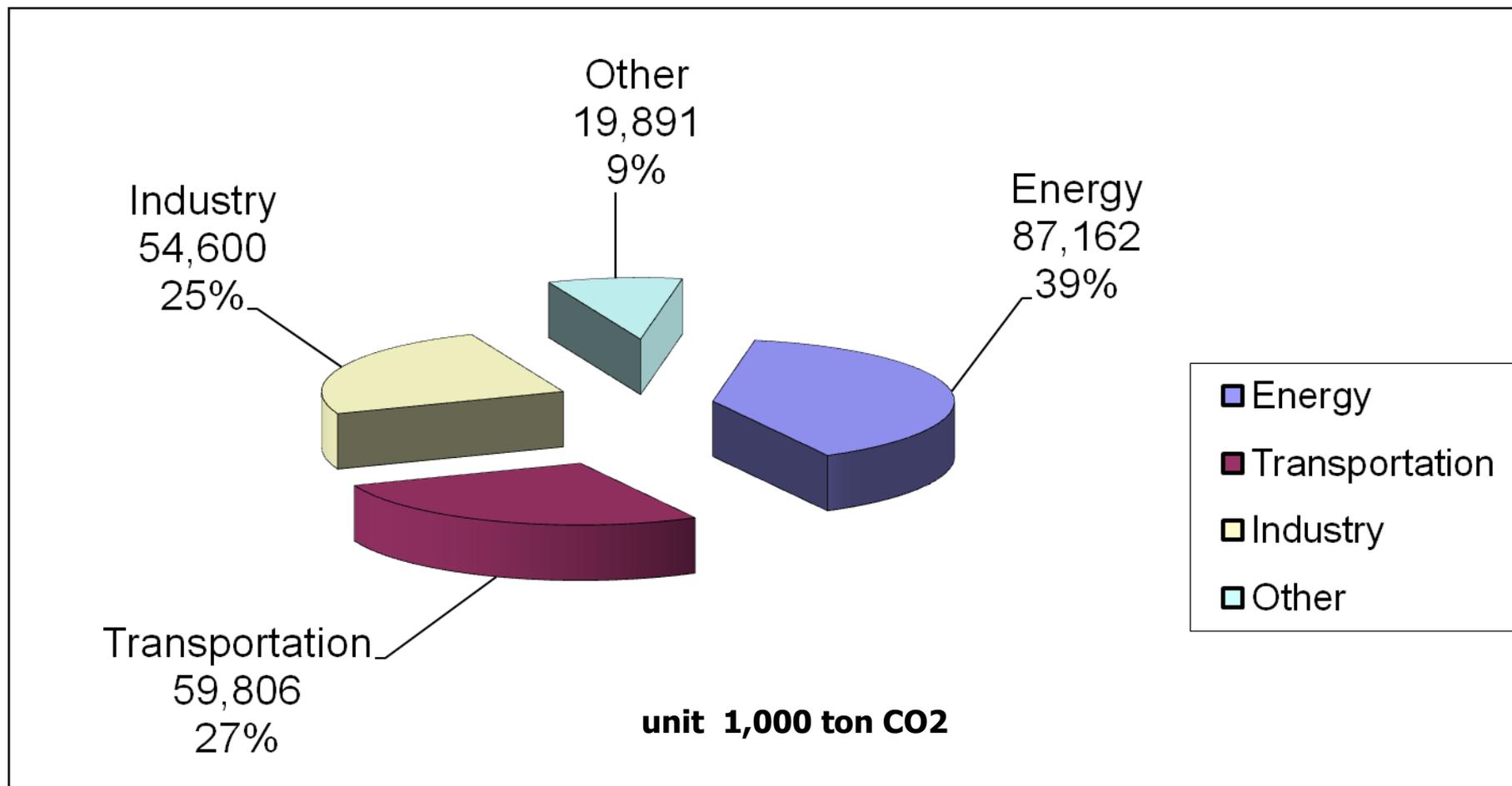


Topic

- Background
- Non - Motorized Transport :NMT Master plan

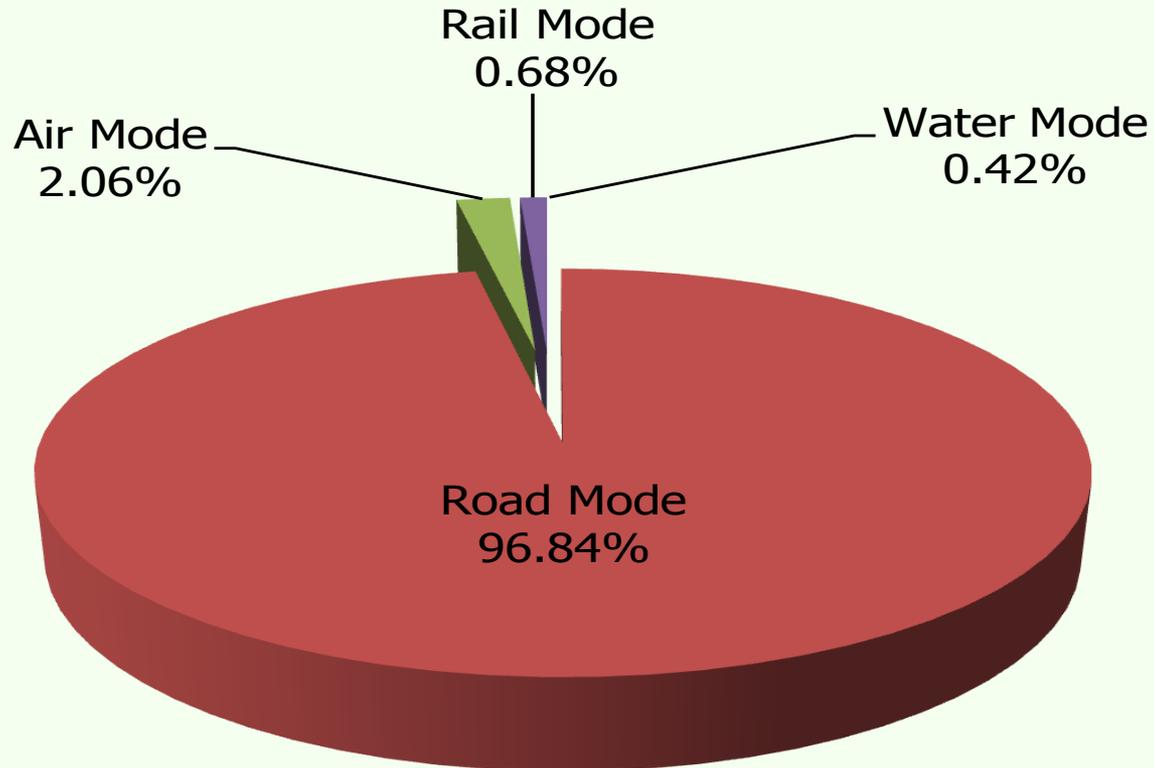


GHGs Emission by Sector : 2011



Source: Thailand Energy Statistic 2012

Volumes of Greenhouse gas released by Thailand's Transport Sector

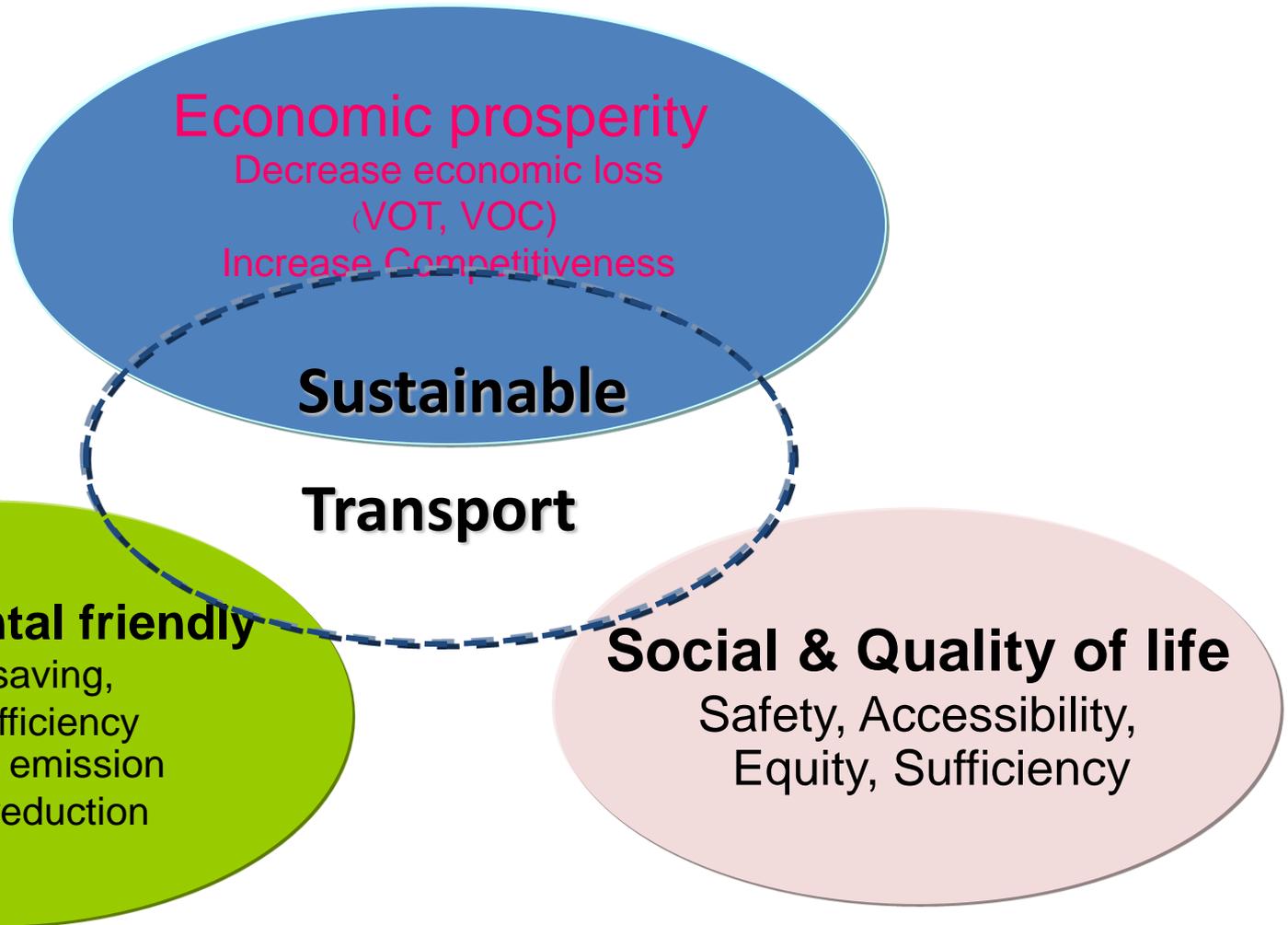


Source: National Greenhouse Gas listing

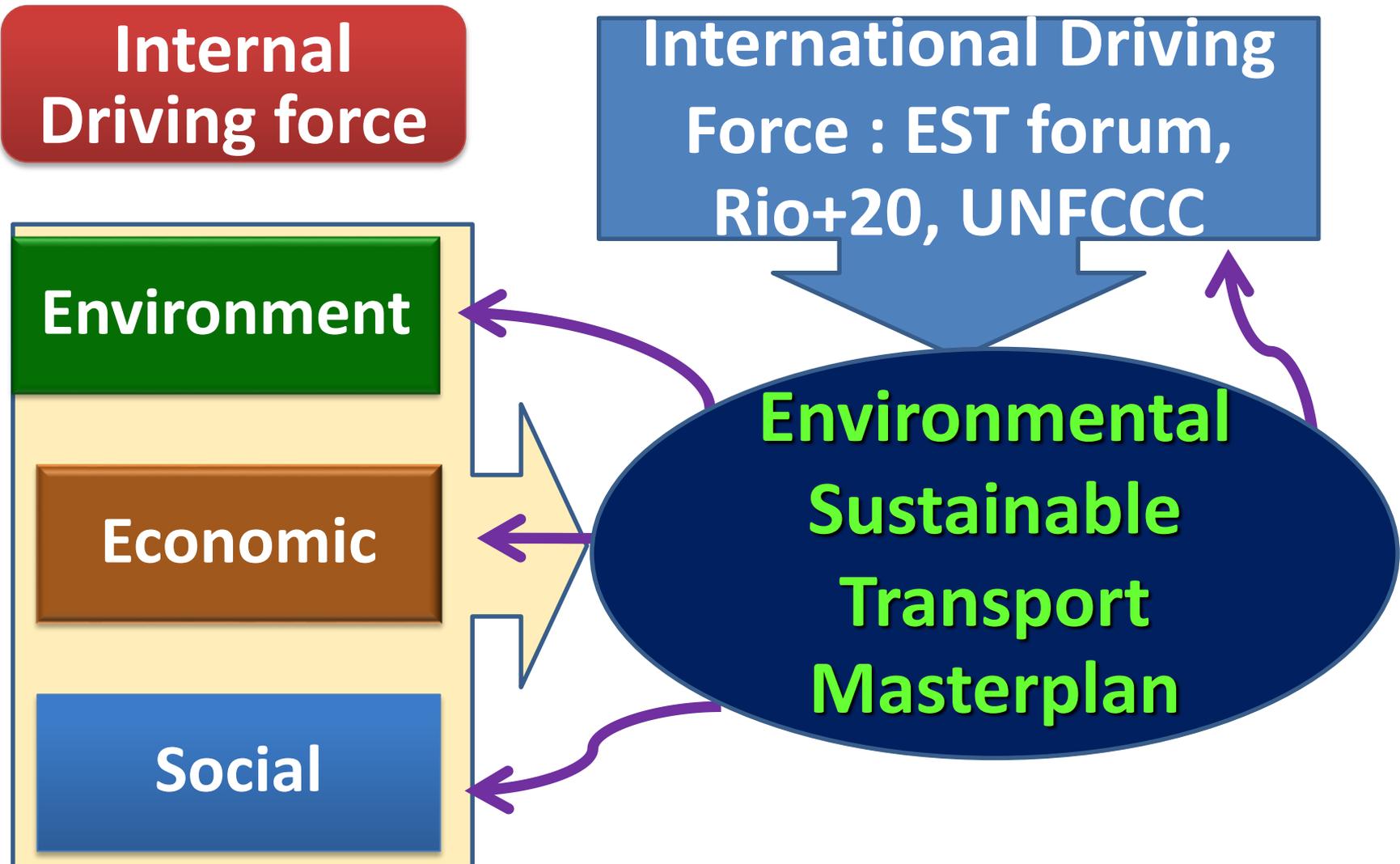
Ministry of Transport

Vision : Toward Sustainable Transport

Transport and
Traffic
Development
Master Plan
2011 - 2020

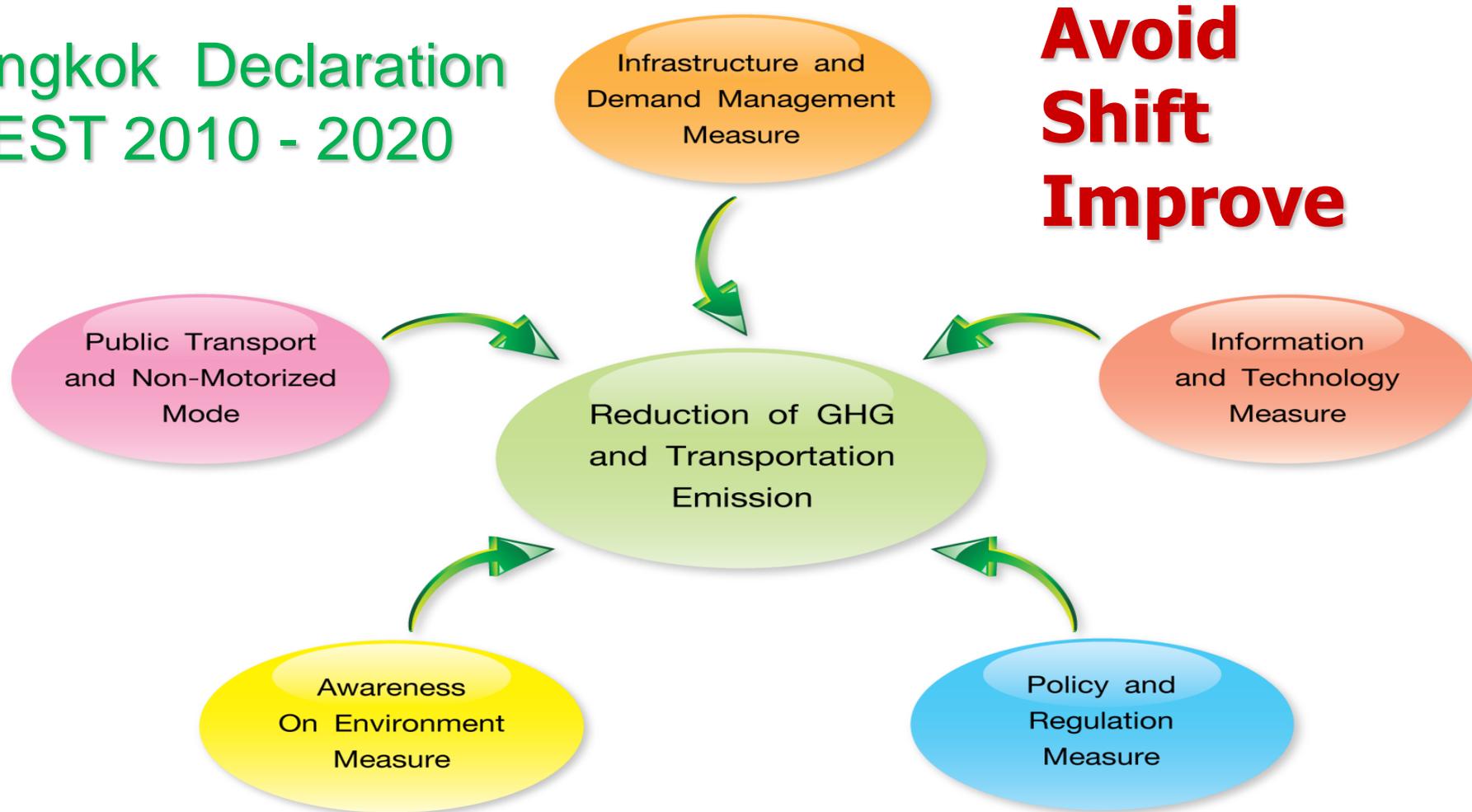


Master Plan Development



SUSTAINABLE TRANSPORT MASTER PLAN

Bangkok Declaration
EST 2010 - 2020





**S
T
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Y**

Strategy 1: *Upgrade capability of agencies and personnel for the development of an environmentally sustainable transport system.*

Strategy 2: *Establish appropriate plans and mechanisms for interfacing and monitoring of transport and traffic work plans/measures/projects; and to move them forward to implementation.*

Strategy 3: *Establish comprehensive and inter-connected transport infrastructure.*

Strategy 4: *Efficient transport management for sustainability and greenhouse gas reduction.*

Strategy 5: *Promote transport R&D and adoption of environment-friendly innovations and technologies.*

Strategy 6: *Promote public awareness of the environment.*

Potential GHGs reduction in Transportation Sector

Year	GHGs at BAU (Million tons CO ₂ e)	Potential of GHGs reduction	
		(Million tons CO ₂ e)	%
2005	57.52	-	-
2017	67.53	11 - 13	16 - 19
2020	74.02	15 - 16	20 - 22
2030	102.82	27 - 30	26 - 29

Avoid : reduce unnecessary travel

Introduce TOD (**Transit-oriented-Development**) at Phahonyotin transport hub)



Thailand Logistics' Strategic Plan (II) year 2013 - 2017

Multi-modal
logistics
servicer

Reduce
Logistic
Cost

Integration
of
Logistics
facilities

Modal Shift
from truck to
vessel or
railway



**Non-Motorized Transport
(NMT) project**

Non-Motorized
Transport project
(started from 1
November 2013 –
31 August 2014)

**Connect the link
between each
mode of
Transport**

- 3 pilot projects in BMR
- 1 pilot “bicycle town”
- Energy consumption reduction
- GHGs emission reduction

**National Health
Assembly**

Cabinet
resolution on 19
November 2013
approved the
promotion of “Bicycle
use in daily life”

Mass Rapid Transit Master plan



Shift



1999
24 km



2004
20 km



2009
2.2 km



12
lines

1994 2000 2004 2005 2006 2010 2014-16 2019 2029

MRTS MASTER PLAN (MTMP)
URMAP
Revised URMAP (BMT)
IMAC MRT Modernization

M-MAP (2010-2029)



Siam - Chula (2 km.)

Bangkok City Hall 2 - Rang Ngam Rd.
- Yothee Rd. (5 km.)

Ramkhamhaeng University
- Thonglor (11.1 km.)

Bangna - Suwannabhumi
Airport (18.3 km.)

LRT & Monorail



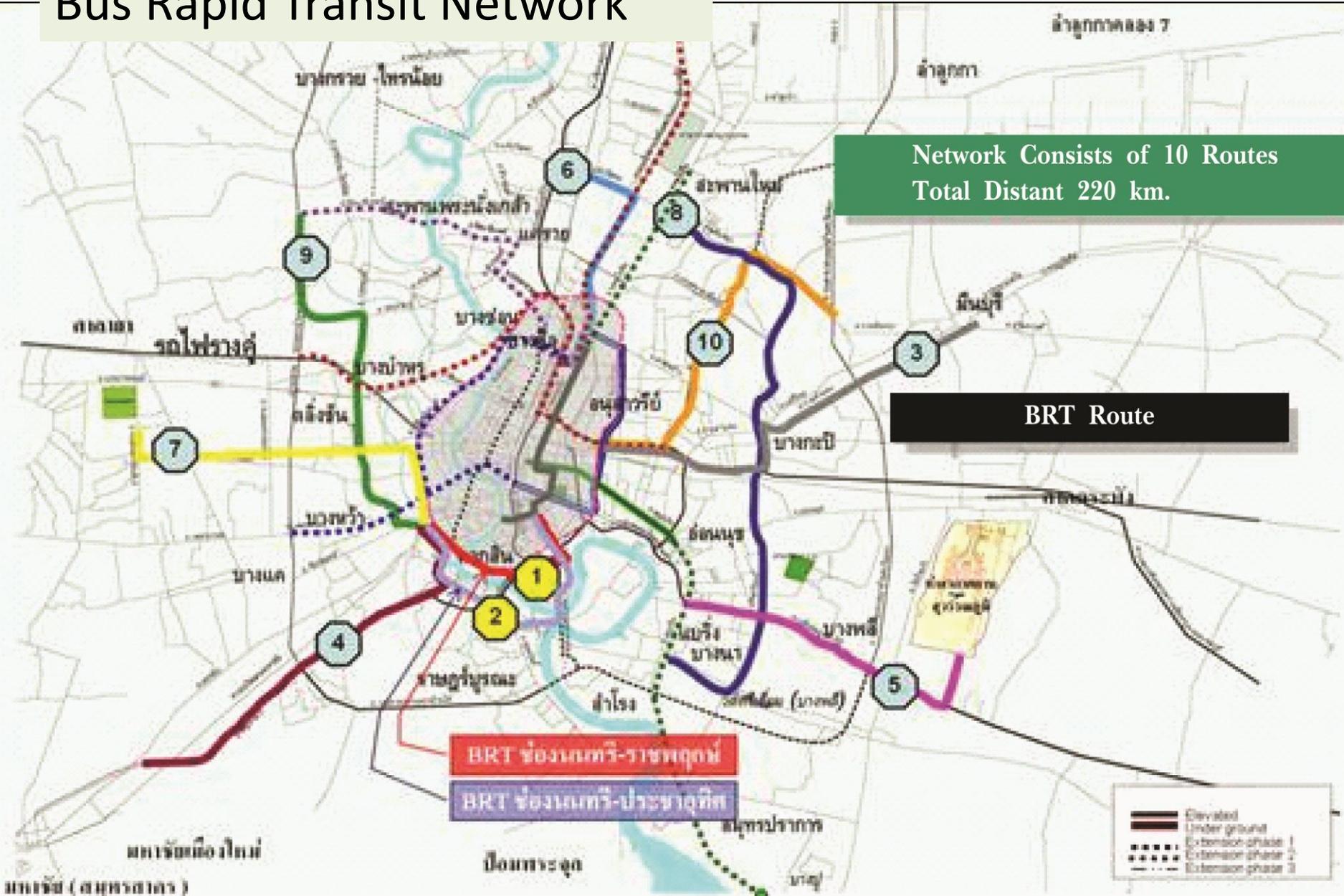
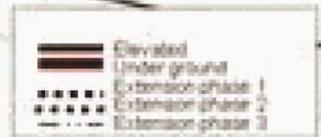
Bus Rapid Transit Network

Network Consists of 10 Routes
Total Distant 220 km.

BRT Route

BRT ชื่องานเทศรี-ราชพฤกษ์

BRT ชื่องานเทศรี-ปาระชาตุทิศ



Eco - Driving

The Federation of Thai Industries

2011 - 2012

Truck only

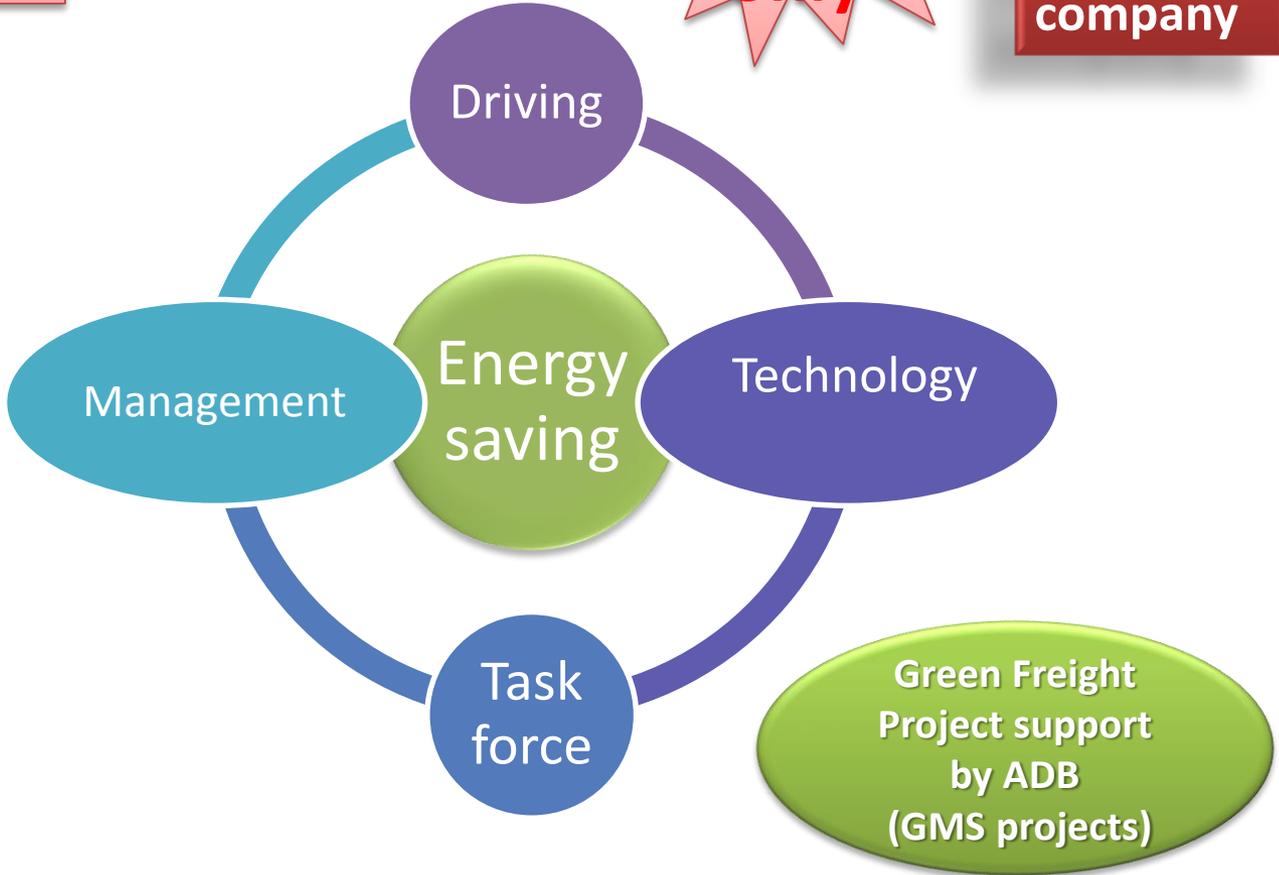
Award to TOP 20 company

Eco-Driving



15 provinces
3,000 people

Logistics and Transport Management



Public Transport improvement



- BMTA are over 3,000 diesel-powered buses
- Private sector buses ~ 3,500 , more than 80% are CNG

Government Policy

Replace all BMTA buses to CNG

New - 3,138

Engine - 323

Conclusion

EIA & HIA

Thailand's EST Master Plan
120 projects/plans/policies

Avoid

- Urban planning
- Complex city

Most difficult

Not yet

Shift

- Mode of Transport : public and mass transit
- Freight : road to rail
- Alternative Fuel
- **NMT**

Implementing

Improve

- Vehicle/fuel standard
- Technology

Largely Implemented

Cross cutting

- Safety : Decade of road safety
- Climate Change
- Awareness

Largely Implemented



Thank you for your attention

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