



# The BMA's Initiatives in Alleviating Global Warming in Bangkok

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# Background



- ❖ UN has estimated that the global temperature will be increased 2-4 degree Celsius in average resulted in the sea level rise by 20-50 cm in the next 10-50 years.
- ❖ Bangkokians are more aware of the issue due to evidence in climate change i.e. more hot days, floodings, and rainstorms.
- ❖ Bangkok residents (12 mil) annually consume:
  - 206 mil. kilowatts of electricity.
  - 34 mil. liters of oil.
  - 400,000 liters of gasohol.
  - 25000 kg. of natural gas.



# Comparison of Greenhouse Gases Released from Various Sectors in Thailand and Bangkok



Sectors	Thailand (million tons CO <sub>2</sub> )	Bangkok (million tons CO <sub>2</sub> )	Percent (Bangkok : Thailand)
Energy	193	73	38 %
Agriculture	83	<1	<1 %
Industry	19	3	16 %
Waste	27	6	22 %
Alteration in Land Use	22	<1	<1 %
<b>Total</b>	<b>344</b>	<b>82</b>	<b>24 %</b>



# *The joint conference between public and private organizations*



- ❖ Take place during 2 – 3 May 2007 at Bangkok City Hall.
- ❖ Participating Organizations: the Ministry of Energy, the Department of Land Transport, Chulalongkorn University, the Federation of Thai Industries, the Metropolitan Electricity Authority, etc.
- ❖ To discuss ways of alleviating the global warming problem in Bangkok.



# Measures for Alleviating Global Warming in Bangkok



1. Energy reduction and control
2. Car pool and bicycle uses
3. 3R Waste Reduction (Reuse, Reduce, Recycle)
4. Avoiding Non-recyclable Products
5. Daily Life Activities
6. Improvement of consumption habits
7. Others, such as planting trees, promoting walking instead of using vehicles



# *Cooperation with Public/Private Organizations in Alleviating the Global Warming*



- ❖ *On 9 May 2007 at UN Building in Bangkok, 36 Organizations jointly signed the “Bangkok Declaration” for the Cooperation on alleviating the global warming.*
- ❖ *Five highlighted ways to mitigate global warming:*

- 1.Reduce energy consumption.**
- 2.Reduce GHG emissions.**
- 3.Promote sufficiency economy lifestyle.**
- 4.Promote helpful activities.**
- 5.Build public awareness.**



# Activities for Alleviating the Global Warming



Take place on Wednesday 9 May 2007, at downtown Bangkok

- Exchange of incandescent and compact fluorescent lamps.
- Energy saving exhibition.
- Public screening of "An Inconvenient Truth."
- "15 Minutes Lights Out...for our Bangkok."
  - ↳ reduce 530 megawatts of electricity used.
  - ↳ reduce 143 tons of CO<sub>2</sub> emissions.



# *From the Bangkok Declaration to Continuous Activities Between May – October 2007*



<b>Commencing Date</b>	<b>Activities</b>
<b>9 May 2007</b>	<b>"15 Minutes Lights out...for our Bangkok"</b>
<b>9 June 2007</b>	<b>Exchange old bulbs for fluorescent lamps</b>
<b>9 July 2007</b>	<b>Turning the engines off while parking</b>
<b>9 August 2007</b>	<b>Distribution of trees</b>
<b>9 September 2007</b>	<b>Replacing plastic bags with cloth ones</b>
<b>9 October 2007</b>	<b>Reducing garbage</b>





# ***BMA's 5-Year Operational Plan for Global Warming Alleviation (2008 - 2013)***



- ❖ **Objective:** to reduce greenhouse gas emissions in Bangkok for 15%
- ❖ **The drafted Plan comprises 5 aspects:**
  1. **Transportation and traffic systems development.**
  2. **Promotion of alternative energies.**
  3. **Development of "Green Buildings" and "Environmental Friendly Offices."**
  4. **Waste and water management.**
  5. **Increase of green areas.**



(ร่าง)

แผนปฏิบัติการ

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ของกรุงเทพมหานคร

พ.ศ.2550 - 2555



# The Announcement of BMA's 5-Year Operational Plan



- ❖ Launch Date: 5 June 2007, the World Environment Day.
- ❖ Public Participation: by expressing comments, opinions and suggestions through BMA's website or via fax within 30 July 2007
- ❖ Adoption Date: 12 August 2007.

  
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# The End.

