#### Sustainable Low-Carbon Scenario Development

### 'Nakornnont Green Growth & Low Carbon City'



Nonthaburi, Thailand

Purmpong Pumwiset

Head of Environment and Health Promotion Division

### General information: Nonthaburi Municipality

Area: 38.9 sq.kms.

Population: 259,419

Household: 114,487











# Increasing of



Infrastructure

Population



#### Reduce , Reuse & Recycle Program







Waste segregation

: 104 t/d

Composting plant

: 5 t/d





: 405 t/y





Bio-fertilizer plant

 $: 40 \text{ m}^3/\text{d}$ 

Composting: Takakura Method



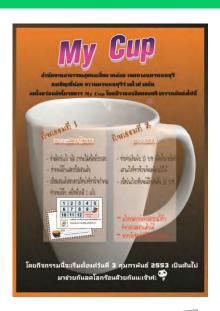
### Reduce , Reuse & Recycle Program





Plastic & Foam

: 1,414 Kg./m







Hazardous waste: 11,300 Kg./y







## Waste from Electrical & Electronic Equipment (WEEE)









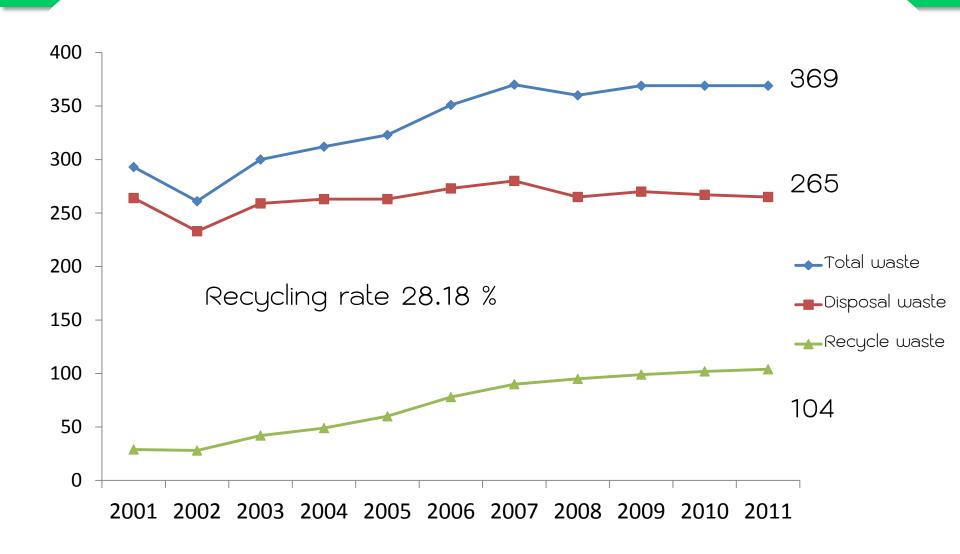








# Total waste generation, Total Waste collection and Recycling rate in Municipality, 2001-2011 (t/d)





#### GHGs Emission Reduction





Carpool



Bicycle parking 500 units

Mass Rapid Transit



### Renewable Energy





Solar cells: 150 Kilowatt /day

Date	Decrease Emission (Kg)			Save	
	CO <sub>2</sub> e	SO <sub>2</sub> e	NO <sub>2</sub> e	Tree	Crude Oil (Liter)
January 2011	3,202.34	1,296.43	1,296.43	10.01	1,771.62
February 2011	2,120.40	858.42	858.42	10.68	1,173.06
March 2011	1,705.00	690.25	690.25	8.59	943.25
April 2011	2,041.04	826.29	826.29	10.28	1,129.15
Total	9,068.78	3,671.39	3,671.39	39.56	5,017.08



### Increasing Green Area





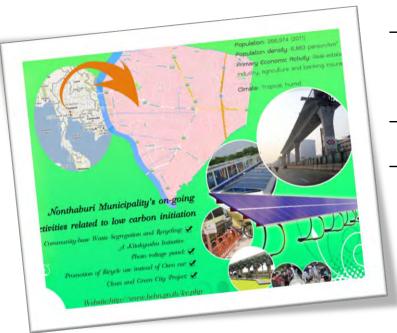








## Action towards Resource-efficient and Low Carbon Cities in Asia



Cooperation between

- French Environment and Energy Management Agency (ADEME)
- Asian Institute of Technology (AIT)
- Nonthaburi Municipality



Bilan Carbone Tools

### Think Globally, Act Locally

