











# LOCAL ACTION 2. Cleaner Fuel

LPG Retrofitting for Taxi (USAID Sustainable Energy Development Program & ICLEI Cities for Climate Protection)

Promotional campaign to encourage taxi operators to shift fuel from gasoline to LPG

over 430 taxi converted, over 6 million kg of greenhouse gas avoided per year.

3. Energy Efficiency

Conversion of street lamps from fluorescent or incandescent lamp to High Pressure Sodium lamps

: Over 10,000 lamps converted, saved more than 9000 kw-h per day, over 5000 kg of greenhouse gas avoided everyday

## **LOCAL ACTION**

## 4. Energy Efficiency

Promotional activities to help commercial establishments in Lamp Retrofitting .

Over 2,000 lamps converted, saved over 85,000 kw-hr. of electricity every year, avoided over 50,000 kg/year of greenhouse gas

#### **5. Alternative Fuels**

Promotion of Bio-fuels (USAID- Sustainable Energy Devt. Program)

Informed and educated the general public on the use of bio-fuels in preparation for the passage of the Bio-fuels Act

## LOCAL ACTION

## 4. Mission/ Vision Workshop

Mission /Vision Workshop (GTZ-ASEAN Clean Air for Smaller Cities )

Description: A participatory review of the city's air quality and the establishment of mission/vision statements for clean air

Created a sense of ownership and awareness of key issues among the stakeholders.

#### 5. Strategic Urban Devt. & Transport Planning

Land Use Planning & Transport Planning (GTZ-ASEAN)

Description: A series of participatory workshop to review existing policies and initiatives in land use and transport planning

#### **LOCAL ACTION**

## 5. Adaptation of New or Alternative Technol

New and Alternative Technologies (ASEAN-GTZ Clean Air for Smaller Cities)

#### **6. Emission Inventory**

Description: Base lining of emission from different sources, mapping hot spots and analysis of Environmental Impact

Will provide quantitative data that will serve as basis for policy making and the development of clean air plan. On-going.

#### **Summary**

#### Key Issue

Low public awareness on the effects of greenhouse gas emissions and air pollution at the onset of the program

## What Transpired

- Multi-sectoral participation and cooperation in most of the local actions taken by the City Government
- Development of communication strategies that helped in promoting public awareness and participation
- Active partnership with the International Council for Local Environmental Initiatives (ICLEI), USAID, ASEAN-GTZ, and other partners that helped in the planning and implementation of the Clean Air Program of the City

## **Summary**

- Public forums and participatory workshops were powerful in increasing the awareness of certain sectors
  - it promoted energy efficiency and alternative fuels and was largely responsible for the success of these programs
  - it created a sense of ownership among stakeholders (during a mission/vision workshop)
  - it promoted the participation of the academe in the conduct of emission inventory
- The participation of many sectors in the program inspired the city to give emphasis to multi-sectoral approach
- "There is a growing recognition of the importance of involving the academe in the replication and scaling up of the program









