How Can We Address Air Pollution?

Aggressive clean air action is needed to reduce pollution-related illness and death and to reduce emissions that contribute to climate change. Proven control strategies include:

TRANSPORTATION

- **Public and active transport** (walking, cycling) reduces private vehicle trips in polluting vehicles, prevents traffic injuries and promotes physical activity
- **Emission standards** and market incentives for **cleaner engine technologies** or electric vehicles to reduce tailpipe emissions of harmful pollutants
- **Cleaner fuels**, such as low sulfur diesel, compatible with clean engine technology vehicles and apply market pressure for cleaner technology

RESIDENTIAL

- **Clean cooking and heating fuels and technologies**, like LPG, piped gas or electricity to replace polluting cooking and heating fuels and improve household and outdoor air quality
- **Efficient electric lamps** including solar-recharged LED lamps to replace kerosene lamps
- **Energy efficient design** reduces energy consumption and associated emissions for heating and cooling

ELECTRIC POWER GENERATION

- **Renewable energy**, such as hydropower, solar or wind or nuclear energy to reduce or replace fossil fuel combustion
- **Natural gas to replace coal**, reducing particulate matter and black carbon emitted into the atmosphere

INDUSTRY

- **Energy efficient technology and continual maintenance** for industrial machinery reduces fugitive/excess emissions from industrial sources
- **Natural gas to replace coal** for process heating

WASTE MANAGEMENT

- **Bans on burning** agricultural, residential, or industrial waste
- **Waste to energy** technologies with strict emissions control reduce emissions and offset fossil fuel use
- **Landfill gas recovery** and manure management reduce the amount of methane released into the atmosphere

INCENTIVES AND ENFORCEMENT

- **Cap and trade or tax policies** provide economic incentives shifting to cleaner fuels and technologies
- **Monitoring and enforcement** on industries and powerplants to limit emissions and track progress over time