

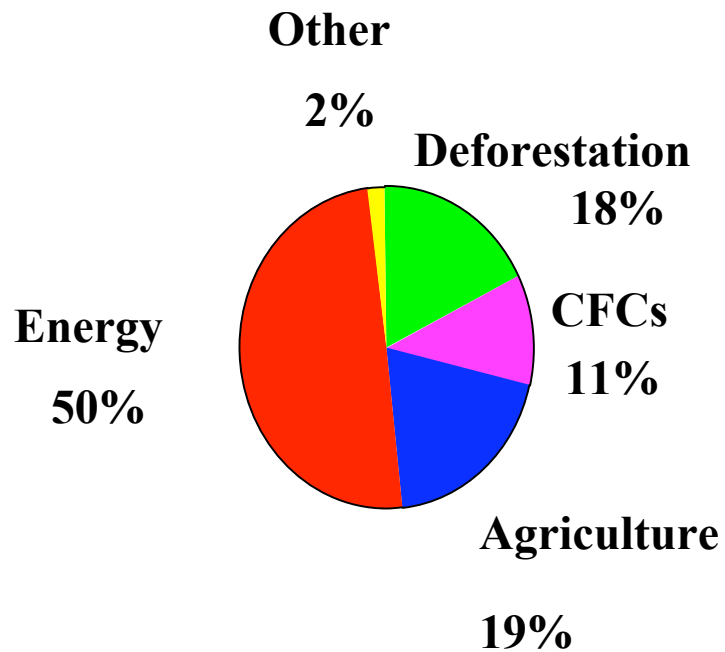
Central Challenges for U.S. and Developing Nations

- Annual net emissions from developing nations are rising steeply
- Developing nations are most vulnerable to the impacts of climate change because of their limited ability to adapt and decrease vulnerability
- Participation by all nations will be critical to achieving the goals of the UN Framework Convention on Climate Change

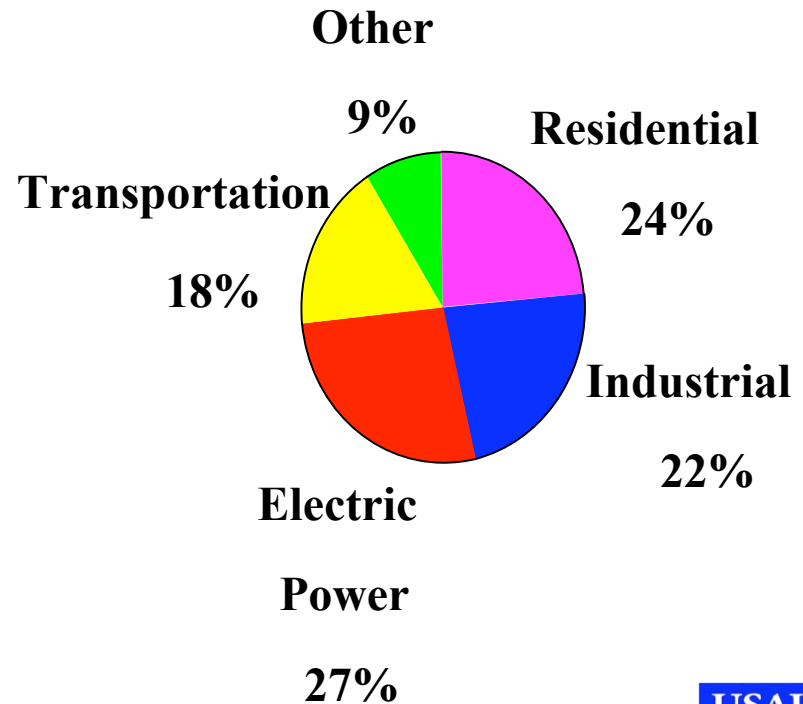


Sources of Greenhouse Gas Emissions in Developing Countries

All Sectors



Energy Sector



The USAID Climate Change Initiative

Objective:

To reduce threats to development posed by GCC

Key Areas of Emphasis

- Increased developing country participation in the UN Framework Convention on Climate Change
- Decreased net GHG emissions from the land use/forestry sector
- Decreased GHG emissions from the energy sector, industry, and urban areas



USAID Climate Change Overview

- USAID is the largest USG funder of GCC activities in developing countries — \$150M per year
- Active GCC-related portfolio in 44 countries in energy, forest conservation
- In-country presence working with governments, NGOs, MDBs, and private sector



Climate Change Initiative: Elements

- \$1 billion over five years: \$750 grant/\$250 credit
- Focus on mitigation in energy and forestry
- Build capacity to engage in “win-win” measures
- Target key emitters and committed parties
- Leverage resources: World Bank & private sector



USAID's Climate Change Mitigation Strategy

- Improve forest management (“sinks”) and energy sector management (“sources”)
- Target assistance in policy reform, capacity building, technology cooperation, and financial leveraging
- Catalyze private sector investment
- Support demonstration projects
- Provide access to credit enhancement mechanisms for climate change, forestry, and energy sector projects



Key Countries/Regions

Brazil

Central Africa

Central America

Central Asia

Russia

Ukraine

Mexico

Philippines

Indonesia

Poland

South Africa

India



Examples of USAID Climate Change Programs in Urban Areas

- Cities for Climate Protection (Mexico, Philippines)
- Local Government Partnership Program (Poland)
- Eco Homes (South Africa)
- Electric Vehicle Program (India)



ICLEI Cities for Climate Protection (Mexico)

- Partner cities include: Cuajimalpa, Mexico City, Queretaro, San Luis Potosi, Tlalpan
- Milestone status: signed MOUs, establishing baselines and forecasts, and developed projects
- Fuel conversion for 3,500 minibuses for pilot CDM project (Queretaro)
- Energy efficiency revolving fund from savings on street light conversions (San Luis Potosi)



ICLEI Cities for Climate Protection (Philippines)

- Partner cities include: Cagayan de Oro, Cebu, Naga City, Puerto Princesa, Tagbilaran
- Milestone status: signed MOUs, establishing baselines and forecasts, and developed projects
- Projects under development:
 - ∨ land use planning (Cagayan de Oro)
 - ∨ urban greening (Puerto Princesa)
 - ∨ landfill gas capture (Naga City)
 - ∨ partnership with industries (Cebu)



Local Government Partnership Program (Poland)

- Designed to help Poland build effective, responsive and accountable local governments
- Partnerships with 48 *gminas* and *gmina* unions
- Focuses on five areas of municipal management:
 - ∨ Housing
 - ∨ Land management
 - ∨ Municipal services
 - ∨ Economic development
 - ∨ Strategic & financial management
- Result: establishes links between municipal management / planning and climate friendly decision making



Eco Homes (South Africa)

- Provides assistance for energy-efficient housing designs and construction techniques
- Partners with Katlwanong Civic Association, Gugulethu Community Development Corp, and NGOs
- Average Eco Home results in approx. 175 kg CO₂ per year avoided; over 200 homes built thus far
- Gugulethu project accepted as candidate for USIJI funding



Zero Emission Transportation Program / Electric Vehicles (India)

- Conversion of two- and three-wheeled vehicles from gasoline to electric
- Partners between Bajaj Auto Ltd. (India) and New Generation Motors and Unique Mobility (U.S.)
- Demonstration project for Pizza Hut/Sheraton fleets
- Benefits include decreased urban noise & air pollution; reduced adverse health effects; U.S. technology transfer



Drivers for Urban/GCC Initiatives

- Co-benefits (e.g., improved air quality and health; energy efficiency and cost savings)
- Management tool for priority setting and project financing
- Reinforces national government commitments (Poland)
- Vulnerability and adaptation??

