



The Energy Sector Management Assistance Program

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# | Energy Efficient Cities Initiative

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Energy Efficiency Global Practice Group  
ESMAP  
Energy, Transport and Water Department  
The World Bank  
December 10, 2008

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# What is the problem?

- Cities are engine for socioeconomic development
- Escalating energy demand puts pressures on costs, service quality and environmental impacts across all sectors:
  - Power/heating
  - Public lighting
  - Water/wastewater
  - Buildings
  - Transport
  - Public housing
- City officials have constrained budgets and limited technical, institutional capabilities
- Priority is placed on meeting key services and expanding access
- Strong interest in sustainable energy/EE, eco-cities, but on-the-ground results have been limited

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# Facts and Figures

	<b>Today</b>	<b>2030 (proj.)</b>
City Energy Use	67%	73%
City GHG Emissions	70%	73%
City Populations	50%	60%

(Figures listed are percent of global statistics)

- 81% of future global city growth will come from non-OECD cities
- By 2030, developing countries will triple their built-up urban area

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# ESMAP EE Cities Initiative

- Objective. Mainstream and scale-up EE investments in cities
- Summary. Includes upstream assessments, investment operations and M&E while disseminating tools, experiences and results
- Approach. Building upon past work by Bank and others (e.g., ICLEI, CCI, developed cities) and operationalize best practices

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# EE Cities Launch Workshop

- EE Cities Practitioners Roundtable was held Oct. 20-21, 2008 in Washington, DC
- The Roundtable had over 50 participants, about 1/3 from developing country cities and several potential partners
- Some key take-aways included:
  - Energy is a cross-cutting issue and affects budgets, local jobs, competitiveness, energy security and environment
  - EE is win-win, so donors should frame EE in context of city's socio-economic priorities and not push environmental/climate change agenda
  - Multi-sectoral nature of energy was key challenge; need strong political will to overcome this

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# EE Cities Launch Workshop

Donors can help:

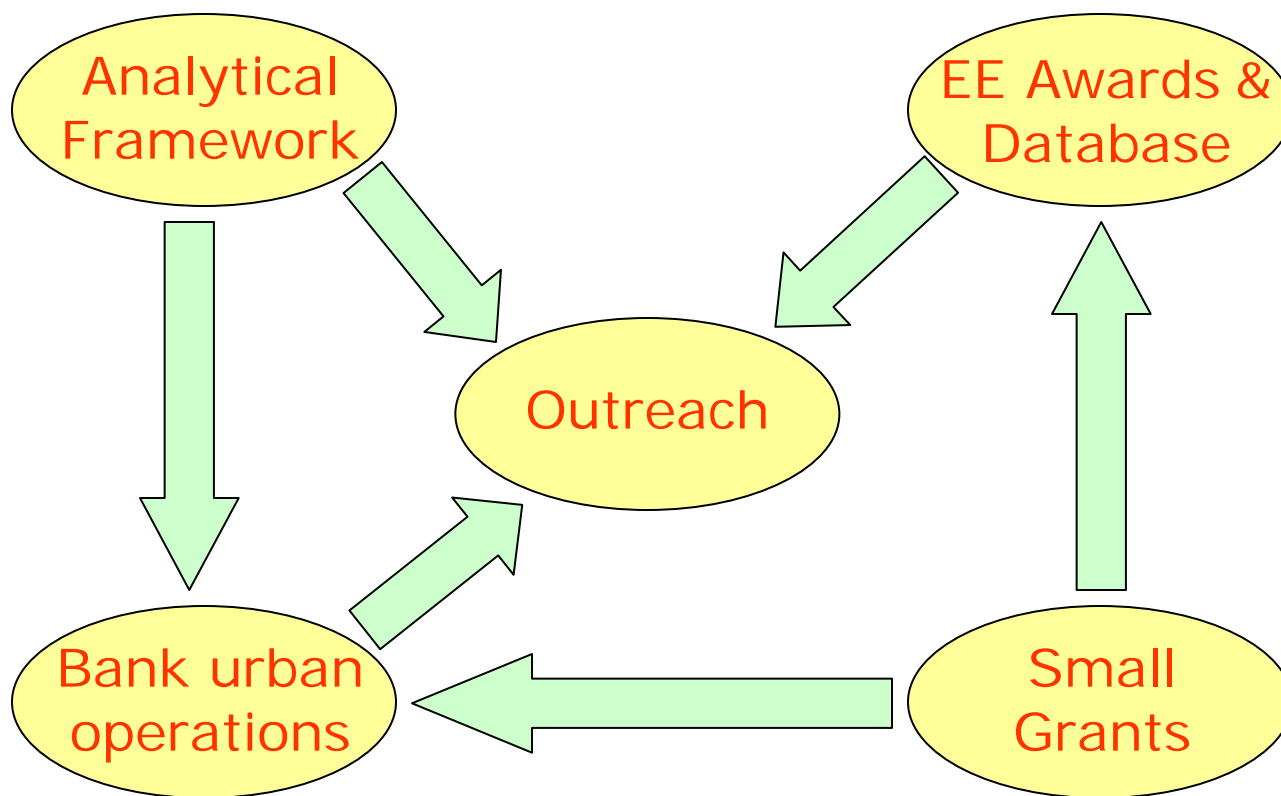
- Engage on EE issues at national level
- Help frame EE in city-centric ways
- Support pilot EE actions to act as “triggers” to change behaviors and way of thinking
- Support local technical advocates to influence politicians and decision-makers

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# Proposed Action Plan

1. Rapid analytical framework (RAF) for EE in cities (retrofits) and planning tools
2. Small grants program
3. Urban EE good practice awards and database
4. Focus on delivery of a few World Bank urban EE projects
5. Outreach and dissemination

# Integrated Program Design





# List of Deliverables

<b>Indicative Deliverables</b>	<b>Year</b>
Development of draft RAF, review of planning tools	Year 2
Field testing of RAF and refinement of tool	Year 4
Technical paper on EE analyses in cities	Year 3
5-10 small grants to cities	Years 1-5
Compendium of urban EE case studies	Years 3, 5
Development of 3-4 World Bank urban EE projects	Years 2-5
Dissemination of approaches, experiences, results	Years 1-5
Final report (results, lessons learned, next steps)	Year 5

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# Thank You!



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