Energy Efficiency for Sustainable Development

A Performance-Based, Market-Oriented Partnership Opportunity

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The Need for Powering Sustainable Development From Village to Metropolis

- Inefficient and traditional energy choices
  - Hobble sustainable development
  - Intensify pollution

- Intractable problem because of
  - Lack of stable, consumer oriented markets
  - Nonexistent indigenous equity and finance markets
Sustainable Development
Partnerships with Developing Economies

- Three performance-based, market-oriented, opportunities
  - Global Village for Energy Development
    - New access for 150 million people
    - US Agency for International Development

  - Energy Efficiency for Sustainable Development
    - 20% energy intensity reduction, 20 countries
    - US Department of Energy

  - Healthy Homes and Communities for Children
    - Reduce the 3 million deaths attributable to indoor pollution
    - US Environmental Protection Agency
Clean Energy Initiative
Will Assist in Market Development

- Performance-based, team-oriented, market-based program
- **Goals:**
  - Establish fair, open, consistent energy-use market structures
  - Nurture entrepreneurial markets and expand consumer choice
  - Develop self-sustaining, market-level financing
Australian-US Expertise to Develop these Markets

- Peer relationship exchanges
  - Develop public leadership for stable markets
  - Experienced local-level US expertise in establishing fundamental market standards

- Local supplier-financier market equity teams
  - Equity development for entrepreneurs
  - Loan development for consumers
Self-Sustaining National Markets

✍ Unleash the creativity of the private market
  – Couple public leadership and supplier-financier teams with parallel private sector firms
  – Develop successful local market level business models
  – Nurture consumer knowledge and sophistication

✍ Parallel national ministerial level policy development assistance
  – Replicate local-level successes nationwide
  – Develop self-sustaining nationwide markets for consumers, entrepreneurs, and financing
Approach Builds on Previous Successes

- US Country Study Program
- International Clean Cities Transportation Program
- India – capacity building
- Morocco – renewable energy plan
- Cooperative Labeling and Appliance Standards Program
- Ghana rural electrification
- Botswana / Senegal clean coal for eco-tourism development
Approach Builds on Previous Successes (cont.)

- US State and Local Government examples
  - Wisconsin/Brazil – biofuels
  - Hawaii/Philippines – energy efficiency technology
  - Southern States/Thailand – sustainable industry development
  - Southern States/Brazil – clean coal power development