Energy for Development

Improving the human condition through modern, resilient, and equitable energy services

www.rti.org/energy4dev
BROAD EXPERTISE WITH LOCAL KNOWLEDGE

RTI International is an independent, nonprofit research and global development institute dedicated to improving the human condition by turning knowledge into practice. For more than 60 years, RTI has combined the research expertise of a university with the innovation and implementation capabilities of a private enterprise and the mission focus of a nonprofit.

- 5,000+ global staff spanning 90 nationalities and languages
- 250+ disciplines dedicated to improving the human condition

TRANSFORMING LIVES AND LIVELIHOODS

- Addressing climate change through renewable energy and energy-efficient solutions
- Fostering enabling policy and regulatory environments
- Catalyzing public and private investment in energy
- Strengthening local capacity and championing locally led solutions to grow, innovate, and deliver quality energy services
Engaging the energy sector as a driver of human development and economic growth is foundational to addressing climate change. Across more than 60 countries, RTI is leading change, moving the world toward net-zero emissions by promoting climate-resilient solutions that help low-resource communities realize their economic potential.

**CLIMATE ACTION FOR SUSTAINABLE ENERGY**

**SOLUTIONS**

- Transition economies toward net zero GHG emissions
- Mobilize finance
- Strengthen climate resilience
- Embrace innovation and technology
- Promote climate equity
- Rely on science, data, and analytical evidence for decision making

**PRINCIPLES**

- Underlying Beliefs
  - Development must be climate compatible to be sustainable
  - Integrating climate considerations early is good development practice
  - We have a responsibility to increase awareness about our changing climate and take action

**ENERGY AND CLIMATE CHANGE FRAMEWORK**

**Energy Secure Philippines (ESP)**
- Leverages $750 million worth of investment in the Philippine power sector
- Supports an additional 500 MW of generation capacity
- Helps 50,000 people adapt to the effects of climate change
- Trains 6,500 people in technical energy fields

**Papua New Guinea Electrification Program (PNG-PEP)**
- Supports 350,000 new on-grid and off-grid connections
- Develops 20 policies, methodologies, and standards enabling the power sector
- Leverages $200 million in power sector financing through innovative partnerships
- Improves access to electricity for 10,000 women through 20 mini-grids

**Connect for Growth (C4G)**
- Advances regional electricity and natural gas competitive market development and integration in 10 countries in Eastern Europe
- Supports the energy sector transition to a decarbonized future through clean energy development and investment-promotion frameworks
- Strengthens energy security and resilience through modernizing utilities and promoting diversification of energy supplies away from Russian sources

**Caribbean Energy Sector Reform (ESR)**
- Accelerates private sector investment in modernizing energy systems in 13 Caribbean countries
- Improves utility performance and reach
- Enhances energy sector resilience through regional mechanisms

**USAID-funded energy projects:**

- **Power Africa Off-Grid Project (PAOP)**
  - Supports 6 million new off-grid energy connections in 26 countries
  - Works with off-grid energy companies to improve their operations as well as apply and scale market strategies
  - Facilitates partnerships and investments to build off-grid markets

- **East Africa Energy Program (EAEP)**
  - Connects 4 million new customers to the electric grid in 10 East African countries
  - Facilitates new power generation and improves energy transmission and distribution
  - Supports private sector investment

- **South Asia Regional Energy Partnership (SAREP)**
  - Leverages $7 billion worth of investment in six South Asian countries
  - Helps utilities and stakeholders deploy 5,000 megawatts (MW) of clean energy
  - Supports savings of 435 gigawatt hours of electricity through energy efficiency
  - Facilitates 4 terawatt hours worth of cross-border trade
RTI implements over 2,000 projects in more than 80 countries, including these USAID-funded energy projects:

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In recent years, in partnership with USAID, RTI-led energy projects have supported:

- **$1.25 Billion** in energy investments
- **7.9 Million** new connections
- **1,178** private sector partners globally
- **$247 Million** in gender lens investments
- **125** institutions adopting a more gender-inclusive approach

For more information, visit [www.rti.org/energy4dev](http://www.rti.org/energy4dev)

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