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THE NEWSLETTER OF AED'S ENERGY TEAM

Did you know

- **1.6 billion people** live without electricity
- **2 billion people** use dirty, dangerous, and unhealthy fuels to cook
- **By 2030 another 1.4 billion people** are at risk of being left without electricity

AED is providing clean energy solutions to reduce the energy gap and protect the environment

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Staff

Mary Worzala specializes in energy efficiency project design, implementation, monitoring and evaluation. Mary is the Director of AED's energy practice and its business development.

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Pramod Amatya is a Program Officer specializing in renewable energy resource assessments, project design, and implementation. He is currently developing a toolkit for energy management at health centers.

Mission

Access to Energy

As economies grow, nations face increasing demands for energy to fuel development. AED is providing the tools to help developing countries meet the energy challenge, helping policymakers, energy professionals and citizens adopt cost-effective ways to generate, distribute and use energy more efficiently and sustain economic growth and stability.

Clean Energy and Climate Change

Burning fossil fuels for energy-related activities account for the majority of human-generated green-house gas emissions. AED is helping developing countries move to a lower carbon path by exploring renewable energy resources and technologies, supporting energy conservation, and increasing energy efficiency.

Energy Sector Reform

Developing countries are initiating market reforms that impact the way energy is generated and distributed, shifting away from state-dominated systems toward independent operations with increasing roles for private partners and investments. AED is helping economies in transition on the path to reform through broad stakeholder participation and empowerment; strong, effective, and culturally appropriate institutional, policy, and legal frameworks; and a commitment to create and strengthen human and organizational capabilities and capacities.

Projects

Angola: Bringing Electricity, Restoring Normalcy

After almost 30 years of civil war, Angola's infrastructure was in shambles – impassable roads, destroyed bridges, and unreliable electricity supply. Restoring basic services is critical for restoring normalcy for the country's 14 million people – today just 10% has access to electricity. Kilamba Kiaxi (pronounced kil-lum-ba ki-a-sh), a district in the outskirts of the capital city Luanda, was farmland before the civil war and had very low energy needs. Over the years of unrest, thousands fled toward the capital and as a result, neighboring Kilamba Kiaxi is home to almost a million people. But infrastructure development has not kept pace with the population



Taj Sheriff is a Senior Communications Specialist specializing in development economics, strategic communications, and knowledge management. She currently provides communications and outreach assistance to USAID/Washington's Energy and Climate Change Teams.

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growth and households and businesses are in critical need of reliable energy services. AED is working closely with EDEL, the electricity supplier, to literally "turn on the lights" in Kilamba Kiayi. Funding for this project is provided by the U.S. Agency for International Development's Mission in Angola and the Banco de Fomento Angola.

Darfur: Testing Cookstoves, Helping the Displaced

One of the greatest needs of people affected by the crisis in Darfur is firewood or other types of fuel to heat their homes, cook their food, and treat water for drinking and food preparation. The risks endured (especially by women and children) while collecting wood resources constitute some of the most challenging and serious protection concerns in camps for internally displaced people (IDP). In Darfur and Northern Uganda, AED is field testing fuel efficient cookstoves at IDP camps. These stoves aim to provide a safer, healthier, and more fuel efficient technologies for domestic use. Improved stoves have the potential to deliver numerous benefits – including energy and time savings, pollution reduction, and reduced danger from fire and burns. Funding for this project is provided by the U.S. Agency for International Development's Office of Foreign Disaster Assistance.



Philippines: Communicating Strategies & Increasing Public Support for Clean Air Policies

Poor air quality is one of the most serious environmental problems in Metropolitan Manila, Cebu, Davao, & Baguio. The energy and transport sectors are the biggest contributors to air pollution in these urban centers. AED is working towards increasing public understanding of and support for clean air policies – helping bring about a deeper understanding of the energy and clean air issues facing the country, so that support and participation is there when harder choices need to be made such as stringent vehicle inspection and emissions testing and policy adoption and implementation by local governments.



Zambia: Charting Rights and Responsibilities, Empowering Electricity Providers and Consumers

AED is helping boost citizen's confidence in the Zambian national electric utility, with balancing the energy company's need to make a profit. Through a series of country-wide public meetings, AED brought together utility staff, the electricity regulator and electricity consumers to craft the Zambia Electricity Consumer Charter. The Charter is a pledge of trust and commitment between the regulator,



utility and consumer. It outlines the rights and responsibilities of electricity consumers and provides a clear definition of what is expected from service providers. The Electricity Consumer Charter of Zambia has been translated from English into seven local languages, and is displayed at the electric company's "pay point" offices throughout Zambia. It paves the way for the transition to a more commercialized energy sector with improved service delivery, billing, payment, and customer satisfaction. Funding for this project was provided by the U.S. Agency for International Development's Office of Infrastructure & Engineering/Energy Team.

For more information on AED's energy program, visit <http://www.aed.org/Topics/EnvironmentAndEnergy/index.cfm>.