

The **Enhancing Capacity for Low Emission Development Strategies (EC-LEDS)** program supports regional efforts to increase investment in renewable energy and infrastructure through enabling environment and policy reforms, and to reduce greenhouse gas emissions through a diversified energy supply. The program works closely with host governments in Albania, Armenia, Azerbaijan, Kosovo, Macedonia, Moldova, and Serbia to harmonize energy laws with the European Union's Third Energy Package. EC-LEDS helps establish power exchange markets to increase investment and enhance cross-border trade.

The **Growth, Enterprise, Employment and Livelihoods (GEEL)** program in Somalia is enhancing economic growth through a combination of initiatives that improve the country's competitiveness, catalyze new investments into key value chains, and increase market linkages and business partnerships. GEEL works with government stakeholders to improve the enabling environment for renewable energy deployment and assists project developers in providing renewable energy for key value chains in agriculture, horticulture, and the fisheries and dairy sectors.

Cross-Institute Expertise

RTI's **Center for Environmental Technology and Energy Economics** specializes in evaluating the impact of new technologies, regulations, and standards on the private and public sectors, and brings expertise in cost-benefit analysis, net present value calculations, counterfactual examinations, Computational General Equilibrium modeling, input-output modeling, forecasting grid coverage, and projecting off-grid market size.

RTI's **Survey Computing and Statistical Sciences Group** helps create decision trees led by thoughtful data analysis. Energy sector planners face myriad choices: Our ground-experience in consumer engagement and data processing, through specialized survey-related products, helps decision makers build a case for change, identify sector bottlenecks, and reform markets so that the private sector can deliver meaningful services. Custom data-dashboards are just one of our in-house strengths.

RTI's **Energy Technology Division** specializes in developing practical models, including the RTI SEA-CART model for off-grid renewable energy, and helps project developers, governments, and policy makers determine the economic and operational feasibility of proposed energy solutions.

More information

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Energy for Development

Offering expertise in the strategic, technical, and policy aspects of sustainable energy markets



What We Do

Access to reliable energy services is a cornerstone of development. We advise governments on innovative approaches to increase energy access and improve the reliability of energy services in countries around the world.

We catalyze energy sector reform through legal, regulatory, and market restructuring efforts that give investors confidence and enable increased private-sector investment in developing countries.

To support implementation of promising energy projects, we leverage strong industry connections and a global network of expertise.

We also equip organizations across the energy value chain—from national electricity regulators to small, rural solar companies—with the knowledge and skills to effectively run their agencies and companies.

Our development of innovative tools and processes increase the professional participation and leadership of women in the power sector.

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Capabilities

Legal and Regulatory Reforms. We implement a variety of legal, regulatory, and government-capacity initiatives that improve ease of doing business in emerging markets. These initiatives include grid codes, market rules, tariff policies, regulatory oversight mechanisms, and norms/procedures for market actors.

Private-Sector Investment and Finance. The energy sector is capital-intensive, making private-sector participation a necessity. We improve acquisition of generation and transmission capacity, lead deregulation and privatization, and help national and municipal governments benefit from capital markets for investment in critical infrastructure. We support energy markets, cross-border exchange, utility performance improvement, and improved and smart investments in the power sector.

Off-Grid Energy and Rural Electrification. We help design and install micro-grids, develop strategies to attract private-sector generation services, and develop models to deliver energy in rural communities in support of manufacturing, value-added job creation in key value chains, and improved livelihoods.

Liberalization of Energy Markets. Liberalizing energy markets improves competition, lowers cost, and increases reliability. We work with regional, private-sector, and government stakeholders to facilitate competition and cross-border power exchange.

Energy Efficiency and Demand-Side Management. Energy efficiency is critical to cost effectiveness, greater accessibility, and greenhouse gas management. We help decision makers build strategies that deliver easy wins and market-based solutions. Our data-led approach builds support for sector modernization with engagement across the whole supply chain.

Gender Mainstreaming. We lead development of innovative tools and processes to mainstream women in leadership positions in the power sector.

International Project Highlights

The U.S. Agency for International Development (USAID)-funded **Power Africa Extension** aims to expand access to power across sub-Saharan Africa by 2030, by adding 30,000 megawatts of power generation capacity and at least 60 million household and business connections. It also aims to strengthen energy sector institutions; support improved

governance, cross-border integration, and energy trade; and implement reforms that support sustainable investments in energy. As a prime contractor, RTI International brings experience in energy sector strategy, training and reform, capacity building, and governance. Our consortium includes best-in-class commercial service providers that bring expertise in the finance, legal, and engineering fields.

The **Municipal Energy Reform Project (MERP)** is designed to help the Government of Ukraine build its capacity to support energy efficiency deployment and district heating infrastructure at the local level. MERP works to improve the enabling environment for energy investments and promotes cutting-edge energy efficiency applications and technologies to strengthen the country's energy security and enhance its economic potential.

The **Building Low Emission Alternatives to Develop Economic Resilience and Sustainability (B-LEADERS)** project supports the Government of the Philippines in developing robust green growth strategies. The project focuses on enhancing the capacity of the Philippine Department of Energy, other national government agencies, and local government units in conducting energy and infrastructure analyses. B-LEADERS works closely with renewable energy project developers and private financing institutions to increase deployment of utility-scale renewable energy projects and isolated mini-grids.

The **Energy Sector Training Leadership Program (ESTL)** implements state-of-the-art institutional capacity building for USAID professionals in Washington, DC, and USAID missions all over the world. This program includes online tutorials on energy development topics, interactive workshops delivered by private-sector energy experts, and videos featuring USAID energy projects. ESTL also leads the implementation of the Engendering Utilities Initiative, supporting seven distribution utilities in five countries to implement gender-equity practices.

