

# Efficiency for Access Coalition

A campaign to drive universal energy access beyond lighting

The **Efficiency for Access (E4A) Coalition** is a global campaign to harness the game-changing power of energy efficiency to **drive universal access to enhanced energy services beyond lighting by 2030**. The Coalition was launched in 2015 at COP21 in Paris as part of the Lima-Paris Action Agenda by the Clean Energy Ministerial's [Global Lighting and Energy Access Partnership \(Global LEAP\)](#) initiative and Sustainable Energy for All.

E4A has successfully led a [Year of Action in 2016](#) between COP21 and COP22, mobilizing commitments from public- and private-sector partners to support the development and deployment of super-efficient end-use technologies, accelerating progress towards the recently announced Sustainable Development Goal 7 (SDG7) targeting universal energy access.

During the E4A Year of Action in 2016, \$11.5 million in funding from global partners has been catalyzed for programs to promote efficient, high quality clean energy technologies. Key actions were announced at the [7<sup>th</sup> Clean Energy Ministerial \(CEM7\)](#), [Climate Week](#), and at [COP22](#), marking the formal culmination of the Year of Action. A summary of key milestones achieved through E4A's Year of Action is provided below.

## Driving innovation and deployment of high-performing off-grid products

- **Driving Innovative and Super-Efficient Off-Grid Refrigeration Solutions:** The [Global LEAP Awards Off-Grid Refrigerator Competition](#), which identifies super-efficient, high quality, and innovative off-grid refrigerators, is a partnership between Global LEAP, the U.S. Agency for International Development (USAID) through the *Scaling Off-Grid Energy: A Grand Challenge for Development initiative*, the U.K. Department for International Development's (DFID) Ideas to Impact (I2I) Programme, and Power Africa's Beyond the Grid Initiative. Winners and Finalists of the competition will be considered up to three Innovation Prizes of \$200,000, as well as gain access to other Global LEAP programs.
- **Identifying and Promoting the World's Most Efficient Off-Grid Televisions and Fans:** At CEM 7 on June 1<sup>st</sup> 2016, Global LEAP announced the [Winners and Finalists](#) of the **2015-16 Global LEAP Awards for Off-Grid TV and Fan Competitions**. These products were recognized as the world's best off-grid televisions and fans, which help drive the global off-grid energy market and speed the delivery of clean, affordable, and modern energy services to millions of households living beyond the grid. At COP22 in Marrakesh, Morocco, Global LEAP will announce the launch of **2016-17 Global LEAP Awards Off-Grid TV and Fan Competitions**. This third round of the competition is funded by Power Africa's Beyond the Grid initiative.

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- Bringing More Efficient Appliances to 1000 Rural Indian Villages:** The Rockefeller Foundation's Smart Power for Rural Development Initiative and Global LEAP announced a new partnership to accelerate the deployment and use of energy efficient off-grid devices in rural India. The U.S. Department of State will, subject to Congressional notification, provide funding for Global LEAP to support the development and roll out of a program to deploy energy-efficient devices such as televisions, fans, and refrigerators at selected Smart Power supported mini-grid sites. It will also develop a strategy for a program-wide scale-up targeted to reduce energy costs for some of the poorest people in India. When deployed it is expected to reduce energy consumption by over 50% for rural households, increase revenue for mini-grid operators by over 300% per household, and generate rural employment for people involved in distribution and supply chain management of the devices.
- Deploying Super-Efficient Lighting in Africa:** At CEM7, the Government of Italy announced \$7.2 million of new funding for the World Bank Group's [Lighting Global](#) Program as part of their on-going commitment to Global LEAP. These funds will support Lighting Global's transformational work in advancing off-grid pico-solar and solar home system products, which include kits featuring super-efficient LED lights and small appliances.

## Increasing access to finance through innovative mechanisms

- Driving the Scale of Off-Grid Appliance Market through Incentives:** Global LEAP is partnering with Energising Development, IFC, and CLASP on [Global LEAP Off-Grid Appliance Procurement Incentives Program](#), an innovative, multi-million dollar effort that leverages Results Based Financing (RBF) incentives to encourage off-grid energy companies in key global markets to make large purchases of Global LEAP Award-winning products. These incentives will also ensure a ready customer base for appliance manufacturers, encouraging greater manufacturer participation in the off-grid market. The program's first round took place in Bangladesh in Spring 2016, and led to the procurement and distribution of 12,000 quality-assured off-grid televisions. In 2017, the new partnership with Power Africa will accelerate deployment of top-performing off-grid TVs and fans in key off-grid markets in South Asia and sub-Saharan Africa.
- Pioneering Investment in the Off-Grid Appliance Market:** **Acumen**, through its Pioneer Energy Investing Initiative, and **Shell Foundation** are partnering with Global LEAP and the Global LEAP Awards program to identify impact investment opportunities in cutting-edge off-grid appliance enterprises. Acumen and Shell Foundation will utilize the outcomes of the 2016-17 Global LEAP Awards for TVs, fans and refrigerators to identify breakthrough innovations and impact investment opportunities in their ongoing efforts to catalyze and validate new technology and

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business models that bring high quality, high efficiency energy services to low-income consumers in off-grid areas.

## Creating evidence-based market intelligence through research and analysis

- **Accelerating and Expanding the Role of Energy Efficiency in Energy Access:** A new collaboration between Power Africa, Global LEAP, the World Bank, the Copenhagen Center on Energy Efficiency, CLASP, and others will provide assistance to governments, donors, industry, and other stakeholders on how best to leverage energy efficiency to deliver energy access faster, more reliably, and at least social, environmental, and economic cost.
- **Providing Insights into Emerging Off-Grid Markets:** Several high-impact market research studies conducted by E4A partners provide critical market intelligence on the state of efficiency, quality and affordable off-grid appliances.
  - Global LEAP's [State of the Global Off-Grid Appliance Market](#) report provides the first-ever review of the current size of the off-grid appliance market and projected growth over the next five years, analysis of product-specific design trends and commercial potential, and case studies from leading national off-grid markets.
  - IFC's Lighting Global and the Global Off-Grid Lighting Association published the [2016 Off-Grid Solar Market Trends](#), tracking the groundbreaking technological advances and innovative business models in the off-grid lighting market.
  - GIZ's [Photovoltaics for Productive Use Applications: A Catalogue of DC Appliances](#) identifies solar-powered productive-use devices that are suitable for micro entrepreneurship in rural off-grid settings.

## Supporting the development of enabling policy frameworks

- **Accelerating the Off-Grid Clean Energy Market in Bangladesh:** A Memorandum of Understanding has been signed between Global LEAP and Bangladesh's Infrastructure Development Corporation, Ltd. (IDCOL) – which coordinates and provides financing for the country's forerunning and world-leading solar home system program – to develop the world's first quality and energy performance standards for off-grid appliances. These standards will ensure that off-grid solar customers in Bangladesh have access to high-quality, reliable, and affordable modern energy services.

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## Building and mobilizing public-private partnerships

- ▲ In partnership with United Nations Foundation, DFID, CLEAN, and IFC India, E4A hosted four public-private workshops in 2016 – Washington DC (January 2016), London (April 2016), San Francisco (June 2016), New Delhi (Aug 2016) – to unite and amplify current efforts, mobilize resources and supporting actions to catalyze emerging markets for off-grid end-use technologies.

## Get Involved

Through the collaboration with E4A partners, the Coalition has made great strides in raising global awareness on the role of demand-side energy efficiency in advancing energy access goals and establishing new partnerships to drive transformational impacts in the clean energy service markets around the world.

The E4A Year of Action will culminate at COP22 in Morocco as a platform to showcase the commitments and partners mobilized towards the effort and to unveil post-COP22 goals and strategies. We welcome news partners from government, multilateral organizations, the private sector, non-governmental organizations (NGOs), research institutions, universities, philanthropic organizations, and others to join our efforts to harness energy efficiency to accelerate energy access globally.