Overview of energy storage options for long-term sustainability in rural electrification projects

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Webinar: “Off-Grid Energy Storage”

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1.3 billion people worldwide are without access to electricity, and a billion more have only intermittent access. 2.8 billion people lack access to clean cooking solutions.

In response, UN Secretary-General Ban Ki-moon launched a new initiative in 2011 by the same name, calling on governments, businesses, and civil society to make commitments to action to accomplish three objectives by 2030:

- Ensuring universal access to modern energy services.
- Doubling the global rate of improvement in energy efficiency.
- Doubling the share of renewable energy in the global energy mix.

The UN General Assembly Member States have unanimously declared 2014-2024 as the Decade of Sustainable Energy for All.
Energy Access Practitioner Network

• As part of Sustainable Energy for All, the United Nations Foundation launched a global Energy Access Practitioner Network in 2011, with rapid growth to 1,400 members.

• The Network focuses on market-based sustainable energy applications, emphasizing mini- & off-grid solutions, and catalyzing energy service delivery at country level towards the achievement of universal energy access.

• It promotes adoption of new technologies, advocacy around supportive regulatory and policy environments for off-grid, innovative financial and business models & disseminating best practices.

• Operates as a “network of networks”.
Practitioner Network & energy storage

• The International Energy Agency estimates that micro-grid & decentralized energy solutions will be the pathway to electricity access for roughly **60 percent** of the people who now lack it.

• Off-grid energy storage technologies will be crucial in effectively meeting this challenge to produce **well-performing systems** that provide efficient access to modern forms of energy.

• In a recent survey, **26%** of a sample group of Practitioner Network members reported working on energy storage.

*The webinar will provide a comprehensive overview of technical innovations and discuss challenges on the ground. The Alliance for Rural Electrification (ARE), an Energy Access Practitioner Network member, will present its new position paper on off-grid storage followed by presentations of specific case studies by three ARE members, who are also members of the Practitioner Network.*