Our Mission

CLASP improves the energy and environmental performance of the appliances & equipment we use every day, accelerating our transition to a more sustainable world.
Leveraging nearly 20 years in appliance energy efficiency standards, labels & market transformation to serve global clean energy access goals & stakeholders by:

• Accelerating & enhancing the development of appropriate energy access product markets
• Elevating the role of energy efficiency in energy access & sustainable development
Super-Efficient Appliances Drive Cost and Performance Benefits for Off-Grid Solar Energy Systems

*Systems provide energy for 4 lights, a 19” color TV, a radio, and mobile phone charging
* Appliance use assumption: lights = 4hrs/day, TV = 3hrs/day, radio = 6hrs/day, mobile phone = 1 charge per day

Impact of Appliance Efficiency on Solar Home System Service Levels

Program Baseline

Using the Most Efficient LEDs

Using the Most Efficient LEDs & Fan

Using the Most Efficient LEDs, Fan & TV

Total Run Time (hours)

Source: CLASP Analysis, Global LEAP Off-Grid Appliance Data Platform
Appropriate Appliances Spark a ‘Virtuous Circle’ in Clean Energy Access Markets

1. Improvements in performance & availability of appliances
   Scaling market improves affordability, efficiencies, and value for money, making appliances more accessible

2. Increasing demand for energy services
   More households demand energy to power improved, high-quality off-grid appliances

3. Energy access markets scale up
   Heightened demand for energy helps off-grid businesses diversify revenue streams and scale, improving sector economics

4. Increasing demand for appliances
   More households demand appliances to take advantage of improving energy access ecosystem and economies of scale

Benefits to India by 2030 of implementing globally benchmarked MEPS from five products only: lighting, residential refrigerators, room air conditioners, power & distribution transformers, and industrial electric motors.

- Reduce electricity use by 175 TWh (8.5% expected use) per year
- Obviate need for 500MW of power plants
- Increased grid connectivity to 87 million households
Energy Access + Energy Efficiency (EA+EE)

Energy efficiency is badly underutilized in energy access & sustainable development, on & off the grid.

An emerging coalition of partners is collaborating to:

- Analyze and articulate the opportunity to use energy efficiency as a “first fuel” in global energy access & sustainable development efforts
- Provide practical guidance to governments, financiers, practitioners and others on how to do so
- Work with global stakeholders to dramatically amplify the role of energy efficiency in sustainable development
Thank you!

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