

# EA+EE: Accelerating Energy Access with Energy Efficiency

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# 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



# Clean Energy Access @ CLASP

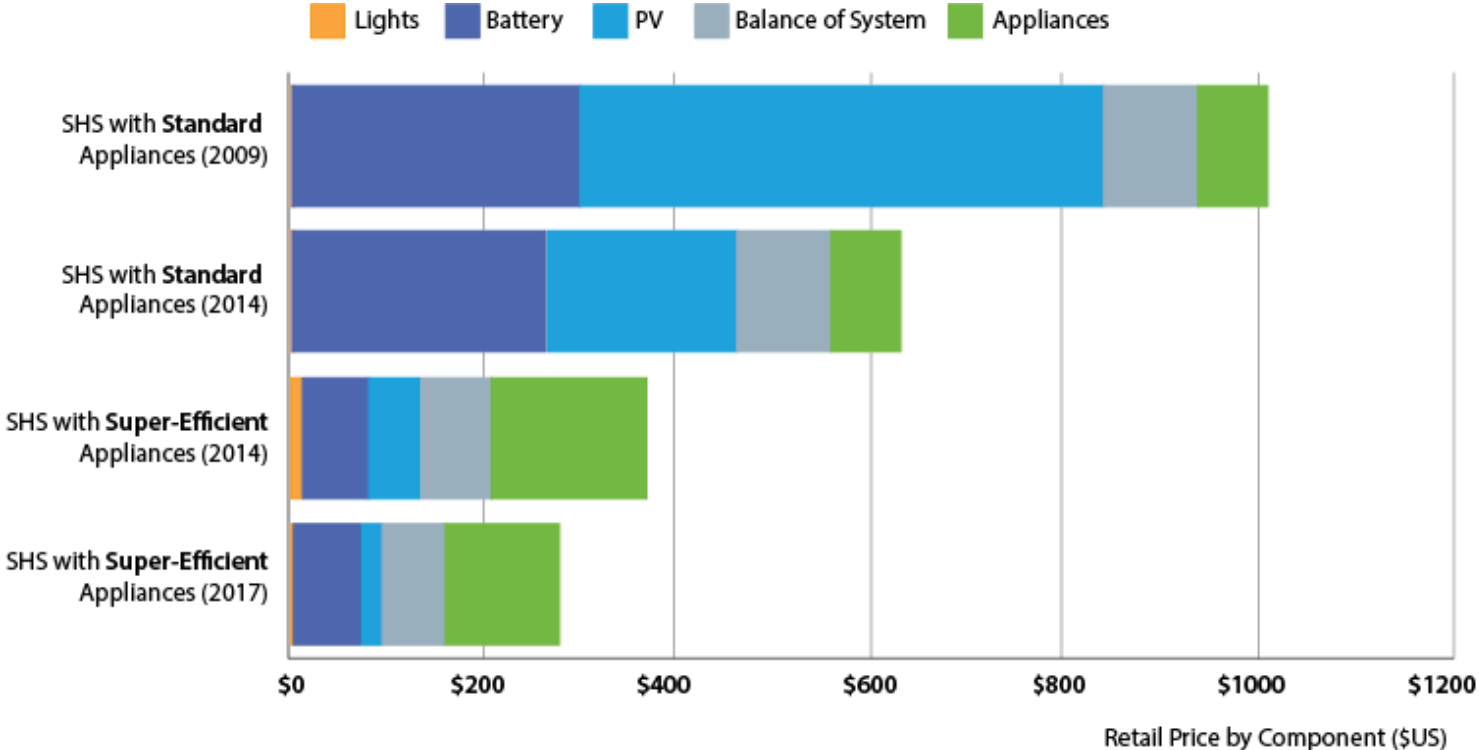
Leveraging nearly 20 years in appliance energy efficiency standards, labels & market transformation to serve global clean energy access goals & stakeholders by:

- 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

SHS Purchase Price Based on Appliance Type

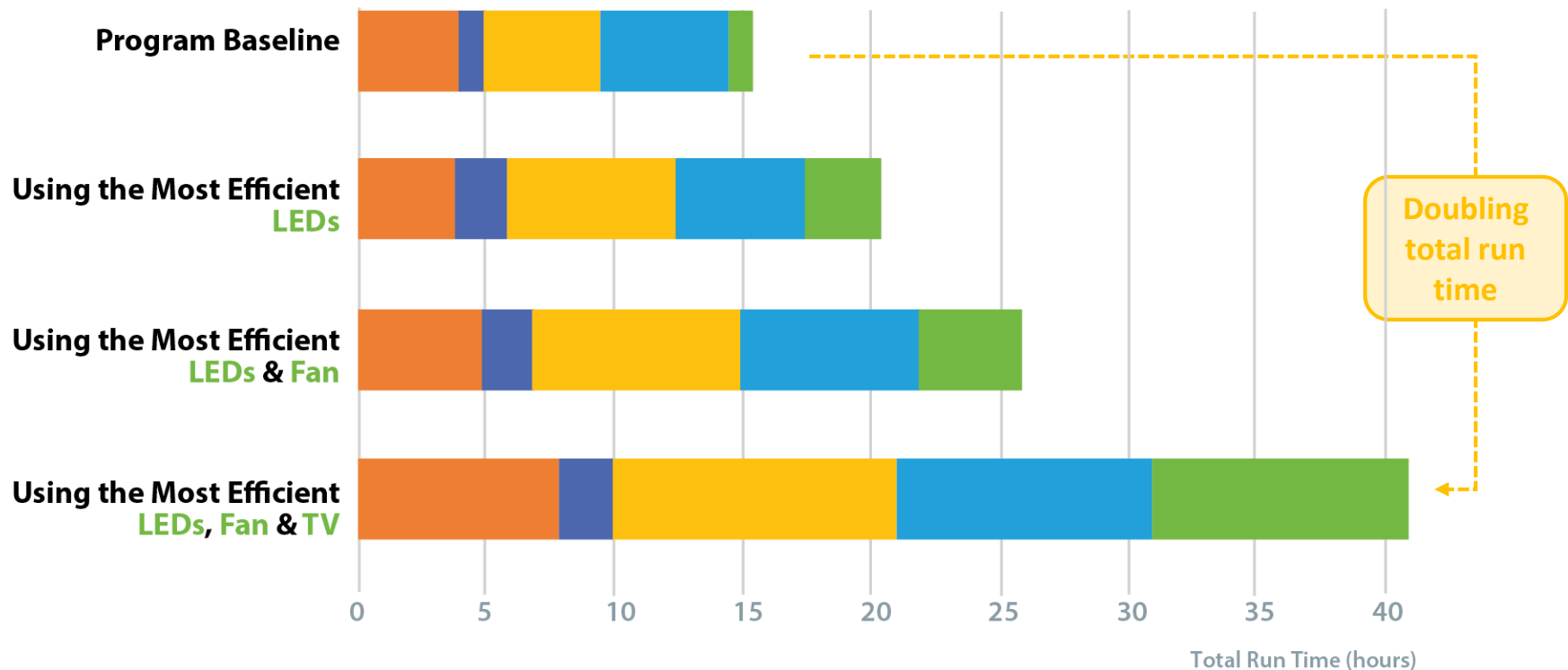
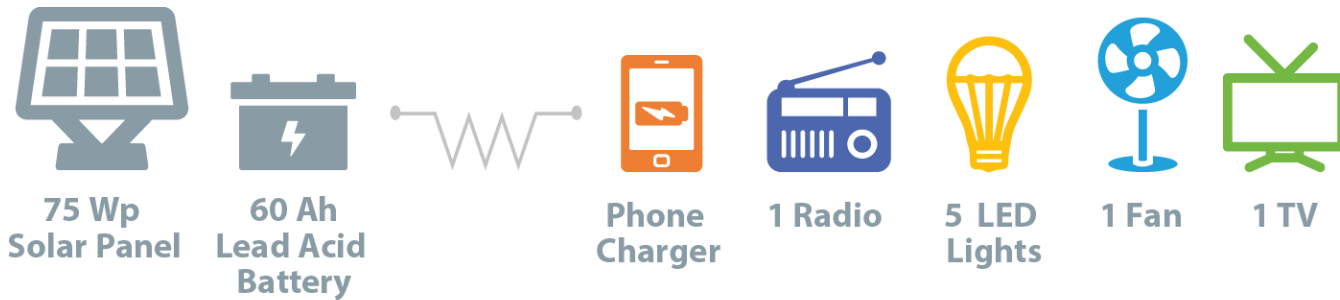


\*Systems provide energy for 4 lights, a 19" color TV, a radio, and mobile phone charging  
\* Appliance use assumption: lights = 4hrs/day, TV = 3hrs/day, radio = 6hrs/day, mobile phone = 1 charge per day





# Impact of Appliance Efficiency on Solar Home System Service Levels



# Appropriate Appliances Spark a 'Virtuous Circle' in Clean Energy Access Markets

## 2 Increasing demand for energy services

More households demand energy to power improved, high-quality off-grid appliances

## 1 Improvements in performance & availability of appliances

Scaling market improves affordability, efficiencies, and value for money, making appliances more accessible



## 3 Energy access markets scale up

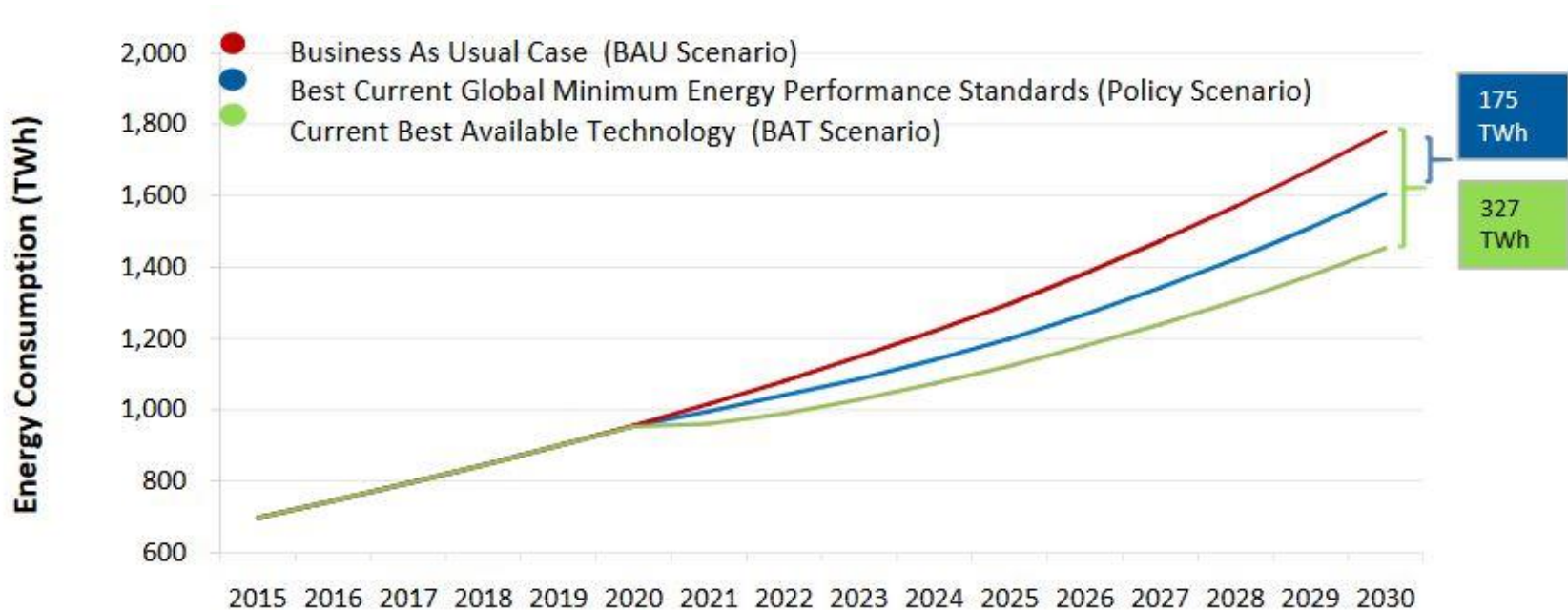
Heightened demand for energy helps off-grid businesses diversify revenue streams and scale, improving sector economics

## 4 Increasing demand for appliances

More households demand appliances to take advantage of improving energy access ecosystem and economies of scale



# Energy Access Beyond “Beyond the Grid”



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



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Thank you!



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