



## GLOBAL LEAP OUTSTANDING OFF-GRID APPLIANCE AWARDS 2016-17 OFF-GRID FAN COMPETITION

### Competition Overview

#### Introduction

The Global Lighting and Energy Access Partnership (“[Global LEAP](#)”) Outstanding Off-Grid Appliance Awards (“Global LEAP Awards”) seeks to transform the global market for off-grid energy products by recognizing and rewarding the most energy-efficient, highest quality off-grid appliances. As an initiative of the Clean Energy Ministerial led by the U.S. Department of Energy, and supported by Power Africa and other partners, Global LEAP seeks to advance global clean energy access goals by harnessing the power of marketplace competition to drive technical and market innovations in the off-grid appliance sector.

The second Global LEAP Awards fans competition (“Competition”) will recognize **high-quality, energy-efficient, and affordable electric fans** that are appropriate for use with off-grid energy systems.

Fans are frequently in high demand in un- and under-electrified regions where distributed (“off-grid”) energy systems are used. However, fans present significant technical challenges to off-grid energy systems since their operation can be energy-intensive, and they can quickly deplete off-grid energy systems’ limited energy supply. By extending run times, leaving more electricity for other uses, and reducing energy supply costs, quality-assured, energy-efficient off-grid fans can optimize energy access benefits.

Manufacturers or associated distributors of eligible fans are encouraged to nominate their products for the Global LEAP Awards. Nomination is free. Terms and conditions apply. See Official Rules for details.

CLASP serves as the Operating Agent and Administrator (“Administrator”) of the Global LEAP Awards.

#### Awards Eligibility Requirements

Products eligible for the Competition must:

- Be intended for use on off-grid energy systems (e.g. low-voltage DC systems, AC or DC mini-grids)<sup>1</sup>; and
- Be a commercially available fan; and
- Be available for sale, either retail or wholesale, separately from an energy system<sup>1</sup>; and

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<sup>1</sup> Fans with an integrated power source (i.e. a solar PV panel and/or battery) are *not* eligible.

- Be available for warehouse sampling by 10 February 2017; and
- Fall into one of the following seven (7) form factor and size categories:
  1. **Small Table Fans**<sup>ii</sup> with diameters less than 12 inches (< 305 mm)
  2. **Medium Table Fans** with diameters between 12 and 16 inches ( $305 \leq x \leq 406$  mm)
  3. **Large Table Fans** with diameters greater than 16 inches (> 406 mm)
  4. **Small Pedestal Fans**<sup>iii</sup> with diameters less than 14 inches (< 356 mm)
  5. **Larger Pedestal Fans** with diameters 14 inches or greater ( $\geq 356$  mm)
  6. **Small Ceiling Fans**<sup>iv</sup> with diameters less than 48 inches (< 1219 mm)
  7. **Larger Ceiling Fans** with diameters 48 inches or greater ( $\geq 1219$  mm)

*Table 1: Global LEAP Awards Fan Competition Size & Form Factor Categories<sup>2</sup>*

	<b>Table Fans</b>	<b>Pedestal Fans</b>	<b>Ceiling Fans</b>
<b>Small Category</b>	< 12 inches (< 305 mm)	< 14 inches (< 356 mm)	< 48 inches (< 1219 mm)
<b>Medium Category</b>	12 ≤ x ≤ 16 inches (305 ≤ x ≤ 406 mm)	N/A	
<b>Large Category</b>	> 16 inches (> 406 mm)	≥ 14 inches (≥ 356 mm)	≥ 48 inches (≥ 1219 mm)

Eligible products must:

- Include an On/Off switch AND adequate instruction as to its use; and
- Pass all safety, workmanship, durability, and environmental test protocols in accordance with the Global LEAP Off-grid Fan Test Method; and
- Not exceed RoHS specifications for the following six (6) toxic substances: Lead (Pb); Mercury (Hg); Cadmium (Cd); Hexavalent Chromium (Cr VI); Polybrominated Biphenyls (PBB); Polybrominated Diphenyl Ethers (PBDE).

Eligible products should also include a minimum two-year manufacturer warranty to cover parts and workmanship defects, serviceable in Bangladesh and the East African Community, in order to participate in an affiliated Global LEAP program to promote and incentivize the procurement and distribution of Global LEAP Awards winners and finalists.

## Competition Procedures

### 1. Nomination

Organizations that wish to nominate eligible off-grid fans (“Products”) for the Competition should do so using the online [Nomination Tool](#). Nomination is free.

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<sup>2</sup> Product size is based on a measurement of the fan blades’ diameter, measuring either from tip to tip or by doubling the radius.

Entries may be submitted by Product manufacturers or associated distributors (“Nominators”). In the case of nominations from distributors, a letter from the manufacturer that confirms their support for the Product’s nomination must be included with the submitted materials.

Submit the entry form and supporting materials electronically online or by emailing it to [info@globalleap.org](mailto:info@globalleap.org).

Nominators unable to submit the form online or by email should contact the Administrator for an offline version. The Administrator can be contacted via email at [info@globallea.org](mailto:info@globallea.org), or via fax at +1 (202) 750-5601, or via phone at +1 (202) 750-5589, or via post at:

Global LEAP Awards  
c/o CLASP  
1401 K Street NW Suite M50  
Washington, DC 20005  
United States of America

The ***deadline for receipt*** of Competition nominations is 23:59:59 EST on 20 January 2017. Early submissions are strongly encouraged. Nominators may submit more than one Product type or model, but a separate application package must accompany each submission.

#### Conditions of Entry

- Participants in the Global LEAP Awards may be added to Global LEAP mailing lists and contact databases, and may receive information on Global LEAP activities.
- Global LEAP, the Clean Energy Ministerial, and the Administrator may use the winning and/or finalist Products for public information purposes and to promote the Global LEAP Awards via such media as websites, brochures, and events.
- Global LEAP, the Clean Energy Ministerial, and the Administrator reserve the right to make public any Product specification and performance data gathered through this Competition.
- All decisions rendered by the Global LEAP Awards Selection Committee regarding award winners and finalists are final.
- Winning and finalist Products will be eligible to participate in an affiliated Global LEAP program to promote and incentivize the procurement and distribution of Global LEAP Awards winners and finalists. Additional information about this program is available on the [Global LEAP website](#).
- The Administrator reserves the right to adjust, strike, or redefine any of the programs terms and conditions at any time and for any reason.
- Should no nominated Product in a given Competition category satisfy the Award competition requirements, the Administrator reserves the right to not name a Winner in that category.
- Materials submitted for the Awards will not be returned.

## 2. Pre-Screening & Notification

A panel of expert judges will pre-screen nominations and select “Preliminary Finalists” for each category of the Competition. This review will be based upon Product data as provided in the in the nomination.

The Administrator will notify Nominators of Preliminary Finalist selection by email on or before 10 February 2017. In order to ensure readiness for the evaluation process, Nominators should expect to be deemed Preliminary Finalists and prepare product samples accordingly.

### **3. Verification Testing**

Upon receipt of Preliminary Finalist notification, Nominators must make a minimum of fifty (50) nominated Products available for random warehouse sampling. The Administrator's designated sampling agent will randomly select two (2) nominated Products for testing. The samples will be packaged by the Administrator's sampling agent, and then delivered by the Nominator to their shipping agent of choice.

The cost of shipping samples for testing will be borne by the Nominator. Warehouse sampling must be completed and samples must be received by the Administrator no later than 16 March 2017.

A fee of \$1,500 USD to cover the cost of Product testing must be paid by the Nominator to the Administrator for each Product named a Preliminary Finalist. An invoice of total fees due will be emailed along with the Finalist notice. In order to maintain Preliminary Finalist status, all payments must be received by the Administrator no later than 3 March 2017.

### **4. Evaluation Criteria**

Preliminary Finalists will be evaluated based on a combination of quantitative performance and qualitative factors as follows:

- Quantitative Factors
  - *Power Input*
  - *Air Delivery*
  - *Energy Efficiency Value*
  - *Performance in Under- and Over-Voltage Conditions*
  - *Performance after Exposure to High Heat and Humidity*
  - *Total Cost of Ownership*
- Qualitative Factors
  - *Quality and Durability (e.g. durability of key fan components, drop resistance, physical ingress protection)*
  - *Design and Usability*
  - *Innovative Features/Technology Configuration (e.g. DC brushless motor)*
  - *Warranty*

### **5. Winner Selection Process**

Preliminary Finalists will be awarded up to 100 points by means of two parallel assessments.

- A. *Laboratory Testing*: The Products will be tested in accordance with the [Global LEAP Off-Grid Fan Test Method](#), a method developed referencing internationally-accepted test standards.

- B. *Expert Assessment*: A panel of expert judges will evaluate design and usability factors (e.g. options and functionality, look and feel of Product, packaging and instructions, innovative features), overall quality, and truth in advertising.<sup>v</sup>

Winners will be identified in the following way: **Up to 70 points** will be awarded based on a formulaic assessment of the Products' "Product Value Score," which will be based on the Laboratory Testing results of the Products' air delivery, energy performance, and standardized Global LEAP Awards assumptions about Product price, \$/kWh, Product lifetime, and daily usage.<sup>3</sup> **Up to 30 points** will be awarded on the basis of the Expert Assessment.

The Product in each category that earns the most points will be declared the Winner of its category. Preliminary Finalists may be removed from the competition and not named a "Winner" or "Finalist" due to sub-standard performance, low quality or other concerns as determined by the Expert Judges and/or Administrator.

Product test results will be delivered to the Product's Nominator on a confidential basis. Test results may be used by Global LEAP for market intelligence reporting.

For more information please see the Official Rules.

## **6. Benefits to Winners and Finalists**

The Administrator expects to announce Winners and Finalists in China in early Summer 2017 during a ceremony at the 8<sup>th</sup> Clean Energy Ministerial, which will involve high-level government officials, industry, and press. The manufacturers of winning and finalist Products will receive the right to use a Global LEAP Awards logo and phrase in marketing materials for the Product.<sup>4</sup>

Additionally, a Global LEAP-sponsored communications campaign will be launched in conjunction with the awards to publicize the Winners and Finalists and raise consumer awareness about high-quality and energy-efficient off-grid appliances. Among other efforts, Global LEAP will distribute information about Winners and Finalists to off-grid industry leaders and procurement officials.

Further, Global LEAP Awards Winners and Finalists will be eligible to benefit from an affiliated Global LEAP program focused on incentivizing the large-scale procurement and distribution of Global LEAP Awards Winners and Finalists. Further details about this program are forthcoming. For more information, please see an [overview of this program](#).

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<sup>3</sup> Indicative Product Value Score calculation: Air Delivery (m<sup>3</sup>/min) at highest setting / ((product energy consumption\*standardized lifetime usage assumptions[kWh]\*\$/kWh) + (wholesale price\*standardized retail price modifier)) = XX m<sup>3</sup>/min/\$

<sup>4</sup> The Administrator reserves the right to exclude from all Competition promotions any finalist Product that fails or performs poorly in the Laboratory Testing and/or Expert Assessment.

## 7. Global LEAP Outstanding Off-Grid Product Appliance Awards Fans Competition Timeline

Stage	Item	Due Date and/or Timeline
Awards Nominations	Nominations Open	14 November 2016
	Product Nominations Due	20 January 2017
Awards Pre-Screening	Preliminary Finalists Selected by Expert Panel	by 10 February 2017
	Preliminary Finalists' Nominators Notified	by 10 February 2017
Testing & Verification of Awards Finalists	Invoice for Testing Costs to Preliminary Finalists' Nominators	by 10 February 2017
	Preliminary Finalist Products Available for Random Warehouse Sampling	by 10 February 2017
	Testing Costs Payment Due	3 March 2017
	Warehouse Sampling Complete, and Samples Received by Administrator	by 17 March 2017
	Testing Begins	by 24 March 2017
	Testing Ends & Winners and Finalists Identified	by 12 May 2017
Awards Ceremony and Promotions	Winners and Finalists Named and Recognized at High-Profile International Event	Summer 2017

## 8. Awards Program Contact Information

For both general and specific inquiries about the Global LEAP Awards contact the Administrator: [info@globalleap.org](mailto:info@globalleap.org).

<sup>i</sup> Eligible Products should be designed to function safely and effectively within the voltage swings that are common in solar-charged, battery-based distributed energy systems. The Administrator anticipates that most Products will be designed for a nominal 12V DC application, but other voltages are eligible. For the purposes of the Competition, "energy system" means a battery either charged in the home (by a Solar Home System or similar system) or charged elsewhere and returned to the home, such as a lead acid battery.

<sup>ii</sup> A "table fan" is defined as a propeller-bladed fan having two or more blades, and intended for use with free inlet and outlet of air. It may be a table fan or bracket-mounted fan for wall, surface, or ceiling mounting. (IEC 60879:1986)

<sup>iii</sup> A "pedestal fan" is defined as a propeller-bladed fan having two or more blades mounted on a pedestal of fixed or variable height and intended for use with free inlet and outlet of air. (IEC 60879:1986)

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<sup>iv</sup> A “ceiling fan” is defined as a propeller-bladed fan having two or more blades, and provided with a device for suspension from the ceiling of a room so that the blades rotate in a horizontal plane. (IEC 60879:1986)

<sup>v</sup> A Finalist may earn two (2) points of “extra credit” for each year of its warranty beyond the required two years (see eligibility requirements), up to eight (8) total points. Nominators must provide a copy of the warranty in English. The warranty must be serviceable in Bangladesh and East Africa.