



Africa Clean Energy
Catalysing Africa's Solar Markets



TETRA TECH
International Development



GENDER AND SOCIAL INCLUSION IN THE OFF-GRID SECTOR:

The Solar Sister Experience

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Energy Poverty

These services are defined as

- 1) household access to electricity
- 2) clean cooking facilities

Energy poverty is

a lack of access to modern energy services.

- > 600 million people in Africa have no access to electricity
- > 10 million businesses are affected by lack of power
- > 700 million have no access to modern cooking solutions





How does energy poverty affect Nigeria?

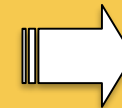
- **1 in 3** Nigerians has access to electricity
- **Half** of the population lives in rural areas
- **In rural Nigeria**, just **1 in 4** people have access to electricity
- The huge majority (70%) of people affected by energy poverty are **women and girls**
- Families spend **30-40% income** on **household energy** (US average is 5%)
- **Over 2/3** of Nigerians are dependent on biomass for cooking
- Indoor Air Pollution is the **3rd highest killer in Nigeria** – women have the most exposure

Energy Poverty is
a gender Issue





The Challenge: *challenges disproportionately affect women*



A **disproportionally high share of girls** and young women **help in the household** chores related to fuel collection.

As a result, especially **girls** often have to **study after dark**, and – unless they have available solar lights or electricity – are **constrained by expensive, dangerous and low quality light**

Consequently, **girls and young women** face a **high school drop-out rate**, and are **disadvantaged educationally and economically**



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Solar Sister Solution

Seizing the opportunity

Solar Sister is a **women led** and **women driven last mile distributor** bringing clean energy access to **underserved** communities in Sub-Saharan Africa

Women led and driven

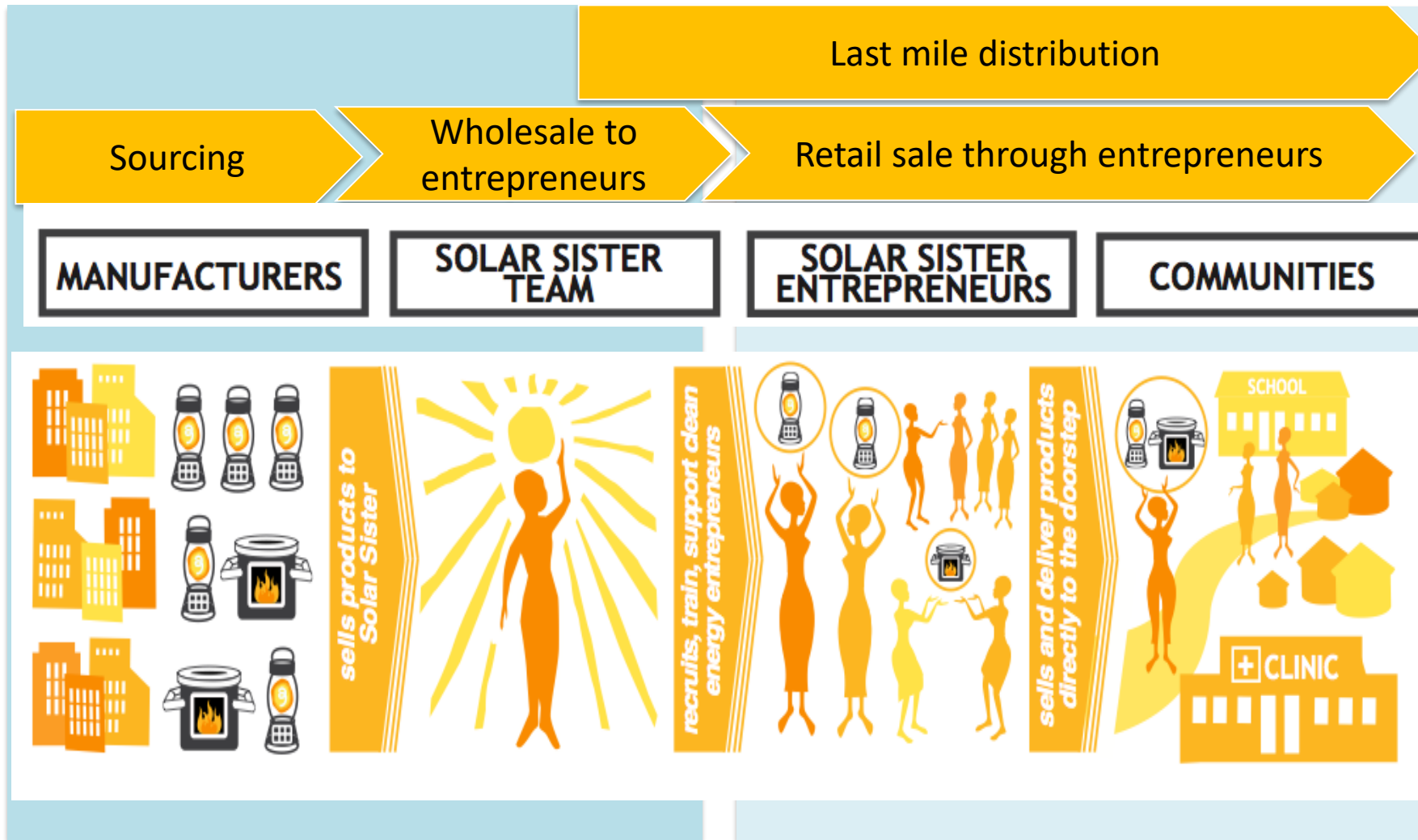




Solar Sister sources products, manages the wholesale, and supports retail sales

Solar Sister in-house

With Solar Sister support





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Impact



Source: HOW SOLAR SISTER BRINGS LIGHT, HOPE, AND OPPORTUNITY TO WOMEN IN AFRICA, A qualitative assessment by the International Center for Research on Women, 2016

Solar Sister Support to Entrepreneurs during Covid 19 pandemic



Information on Corona Virus – Hygiene, Social Distancing etc

Increased Communication: Switch to mobile teleconference for meetings/Trainings

Encourage electronic/mobile banking

Our work continues. Energy access is essential, and our mission of supporting women entrepreneurs to deliver clean energy to their communities is more important than ever.



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Thank You
Any Questions?

