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## ZAMBIA FACTSHEET 2014

**The Problem: 81% of households in Zambia do not have access to electricity.**

60% of the population lives below the poverty line, the majority of who live in rural areas – the least likely to benefit from grid electrification. Without light, opportunities for earning, learning and socialising are severely limited.

*“Energy is the thread that connects economic growth, increased social equity and sustainability. But, widespread energy poverty still condemns billions to darkness, ill health and missed opportunities for education and prosperity.”*

– UN SECRETARY GENERAL BAN KI-MOON

RURAL ZAMBIAN HOUSEHOLDS SPEND AROUND 7% OF THEIR INCOME ON LIGHTING.

MANY FAMILIES RELY ON BATTERY TORCHES THAT ARE EXPENSIVE AND UNRELIABLE.

SunnyMoney is a social enterprise wholly owned by international development charity SolarAid. It forms part of an innovative charitable model that takes a business-based approach to tackling poverty and climate change. Any surplus revenue generated by SunnyMoney is reinvested back into the charity to support our goal: **the eradication of the kerosene lamp from Africa by 2020.** Zambia is one of the six countries that we are currently working in.



**The Solution: SunnyMoney is building a sustainable market in Zambia through the sale and distribution of pico-solar lights.**

In 2013, SunnyMoney in Zambia provided access to clean, safe, bright solar lights in Lusaka, Eastern, Copperbelt and Southern Provinces. In 2014, the team shall also be expanding into Central and North-Western Provinces. With support from the Ministry of Education, SunnyMoney work closely with Zonal Centres to arrange Head Teacher Meetings, bringing groups together to learn about solar so they can offer their students and community the chance to purchase a solar light. At the end of 2011, 7,000 lights had been sold; by the end of 2013 this had increased more than tenfold to 77,120.



# THE IMPACT IN ZAMBIA

Solar lights have a tremendous impact on the income, education and health of families in Africa.

Our monitoring, evaluation and research provides evidence of the impact that SunnyMoney has in Zambia.

## 2013: THE BIG PICTURE



**49,700 solar lights** sold to rural low-income families. 63% of SunnyMoney customers in Zambia live below the poverty line.



**358,000 people** have access to clean, safe, bright light.



**Children are doing an extra one hour of homework each day.** 80% of teachers report an improvement in performance and attendance of their students as a result.



**\$23 million saved\*** for families from reducing spending on lighting alternatives like kerosene, candles and batteries; nearly 10% of household income. Savings are spent on **food, school fees and investment in farming inputs or business**, starting a virtuous cycle of development and progress.



**145,000 people** experiencing better health thanks to reducing use of air-polluting kerosene lamps. This includes reduction in respiratory illness, coughing, eye irritation and chest problems.



**40,000 tonnes of carbon dioxide\*** emissions averted due to reduced kerosene lamp use.



Families also talk of **improved security and safety** due to this brighter, more reliable lighting and the opportunity they have for **improved social interaction and family time.**

\*in total, over the lifetime of the solar light

The Future: We aim to bring solar lights to tens of thousands more households across the country using our innovative model to reach those most in need.

"My children use [the solar light] when writing their homework, I use it when doing my paperwork for my business and we also use it to light the house."

Michael Kaliza, solar light owner, Choma

"...they are now using the light to study and when you look at the mock exam results they were impressive... The campaign was quite a success and if you continue with that there would be no people using candles."

Malisela Tembo, Head Teacher

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