


**Country Profile**
**Zambia**
**January 2010**
**Start date microsolar:** July 2009

**Start date macrosolar:** July 2008

|  |   |
|--|---|
|  <p>Map of Zambia<sup>1</sup></p> <p>★ SolarAid Project Area</p> | <p><b>Country Summary</b></p> <p>The estimated population of Zambia was 11.86 million by July 2009 with 65% living in the rural areas<sup>2</sup> and 68% living below the national poverty line – the highest percentage compared SolarAid’s other projects. While 18% of the population in the country has access to electricity, only 2% of the rural population and 35% in urban areas<sup>3</sup> are connected to the electricity grid. Zambia ranks 164 out of 182 in the UNDP Human Development Index<sup>4</sup> and 94 out of 183 on the ‘Ease of Doing Business’ scale<sup>5</sup>.</p> <p>Activities started with the support of Vodafone and Global Cool. Initially the project focused on training people living with HIV/AIDS so that they could build solar products and sell them to the rural population. This was a way to generate extra income for food, medicine and homecare for them and their relatives living with HIV/AIDS. Now the model has shifted to recruit franchisees as part of sunnymoney. The project also aims to install 300W systems on schools, community centres and health clinics over four years.</p> <p>The office is based in Lusaka. Installations in schools have been carried out in Chipata, Infuro, and Singani. The team has also been scouting in Eastern and Northern Zambia for new school sites.</p> |
|--|---|

**Project outcomes**

- Reduction in carbon emissions because of the replacement of carbon-intensive kerosene lamps with solar powered devices.
- Improved health for the most disadvantaged people. The project will help achieve this programme outcome by training people living with HIV/AIDS and/or their relatives to set up solar micro-businesses so that they can earn more and pay for home-based care, medication and food.
- Improved access to sustainable financial resources for the most disadvantaged people. The project will train people in business planning, market research, sales and microsolar skills so that they can sell solar products in rural areas and generate income.
- Improved literacy and health levels due to greater access to lighting and electricity in schools as well as in health and community centres. Pupils will be able to use the internet and take evening classes. Health clinics and maternity wards will be able to stay open later and gain access to power for vaccine refrigeration.

**Main Partners**

Vodafone, Global Cool, HODI, People's Action Forum (PAF), Suntech Appropriate Technology Ltd, CAMSED.

• **Achievements**

| <b>Microsolar</b>   |                  |
|---|------------------|
| <b>Indicator</b>  | <b>Total Nr.</b> |
| People trained to date (Inc. technical, sales and assembly) : | <b>17</b>        |
| Active entrepreneurs:   | <b>15</b>        |
| Products sold (end of Dec 2009):                              | <b>215</b>       |
| End User Beneficiaries:                                       |                  |
|   |                  |

| <b>Macrosolar</b>  |                                     |
|--|-------------------------------------|
| <b>Indicator</b>   | <b>Total Nr.</b>                    |
| Installations completed (end of Dec 2009):               | <b>19</b>                           |
| People trained as installers:                            | <b>4</b>                            |
| Routine maintenance people trained to date (Jun 2009):   | <b>80</b>                           |
| Estimated Beneficiaries(schools and clinics, June 2009): | <b>7040</b>                         |
| New Sites identified:                                    | <b>2 schools</b><br><b>1 clinic</b> |

• **Financial information**

| <b>Funders</b>        | <b>Total Budget Allocated</b> |
|-----------------------|-------------------------------|
| Vodafone/ Global Cool |                               |
|                       |                               |

<sup>1</sup> [https://www.cia.gov/library/publications/the-world-factbook/maps/maptemplate\\_za.html](https://www.cia.gov/library/publications/the-world-factbook/maps/maptemplate_za.html)

<sup>2</sup> <https://www.cia.gov/library/publications/the-world-factbook/geos/za.html>

<sup>3</sup> [http://www.lightingafrica.org/files/Zambia\\_Quantitative\\_Final.pdf](http://www.lightingafrica.org/files/Zambia_Quantitative_Final.pdf)

<sup>4</sup> <http://hdr.undp.org/en/statistics/>

<sup>5</sup> <http://www.doingbusiness.org/ExploreEconomies/?economyid=101>