

Technology Fact Sheet for Mitigation

| Technology | Description | Benefits | Challenges |
|-----------------------------|---|---|--|
| Solar lanterns ⁱ | solar PV systems including whole-home systems and lantern that are charged from solar can be clean source of lighting in homes and some institutions such as rural clinics and schools. Technology is mature but management of systems is still important. Solar lanterns cost end users between US\$10 and US\$45, depending on the model. Solar home and institutional systems depend on sizes but range from US\$7-12/Watt. | In rural areas where electricity is not available, this will be benefit for many purposes e.g. providing lighting for students studying in schools and homes, lighting for women giving birth at night in clinics | Prices are still high for home systems and in case of institutions government provides systems but maintenance then requires local capacity. |

ⁱ This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia. You can access the complete report from the TNA project website <http://tech-action.org/>