

Energy Demonstration Trailer



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FACT SHEET

Objective: The Energy Demonstration Trailer is a means to raise awareness and disseminate information about Renewable Energy and Energy Efficiency technologies, measures and practices for urban, rural and peri-urban Namibian settlements. Emphasis is placed on the energy services (cooking, lighting, refrigeration, entertainment and business) that these technologies can provide.

The Energy Demonstration Trailer is a vehicle drawn off-road trailer with the ability to reach remote areas. The trailer includes extensive camping equipment allowing operators to spend prolonged periods in the field in comfort and with sufficient supplies. The trailer is powered using solar and wind electricity and has a high degree of user-friendliness. It includes a wide spectrum of equipment such as:

- 375 W_{peak} Photovoltaic array
- 75 W_{peak} Wind generator
- 525 Amp/hr battery storage
- Different solar cooking technologies (solar box cooker, solar parabolic cooker)
- Different wood efficient cooking technologies (TsoTso stove, Vesto stove)
- Solar Water Heating (model)
- Solar Water Pump
- Appliances (refrigerator, drill, fan, radio, sound system, personal computer, glue gun, hair clippers, cell phone chargers, compact fluorescent lights, incandescent lights)
- Gauges to indicate power generation and consumption
- AC and DC electricity
- Energy Efficient Houses (models)
- Pin boards, white boards and stationery
- Large area shading, tent, chairs, table and other essential camping gear
- Extensive electronic library of energy documentaries, movies and PowerPoint presentations

The Energy Demonstration Trailer's construction started in June 2005 and was completed in April 2006. Since April 2006 the trailer has conducted 16 demonstration site visits.

Date	Demonstrations
10 – 12 April	Okondjatu, Otjozondjupa Region
20 April	Habitat Research and Development Centre, Windhoek, Khomas Region
24 – 29 April	Ondangwa Trade Fair , Oshana Region
10 – 16 May	Windhoek Vocational Training Centre, Windhoek Khomas Region
20 – 21 May	Gobabeb Desert Research Station, Erongo Region
1 June	Ministry of Mines and Energy, Windhoek, Khomas Region
5 – 7 June	Anigab, Kunene Region
8 June	Khorixas, Kunene Region
9 June	Erwee, Kunene Region
10 June	Anker, Kunene Region
22 – 25 June	Tsumkwe, Otjozondjupa Region
26 – 27 June	Otjiwarongo, Otjozondjupa Region
28 June – 3 July	Katima Mulilo Trade Fair, Caprivi Region
4 August	Delta School Windhoek bazaar, Khomas Region
22 – 31 August	Ongwediva Trade Fair, Oshana Region
2 – 8 September	Otjiwarongo Trade Fair, Otjozondjupa Region

