

## Ensuring Water Supply in Tanzanian Villages



**Project duration: 6 months**

Photo: OIKOS East Africa

In 2023, EKOenergy granted 26,800 EUR to the Tanzanian NGO OIKOS East Africa for the replacement of diesel pumping systems in two villages in the Manyara Region, Tanzania. This initiative aims to ensure a reliable source of drinking water.

OIKOS East Africa's initiative in Naberera and Emboreet, two Maasai villages in Tanzania, marked a significant shift in the local water supply methods. Funded mostly by EKOenergy and implemented in close collaboration with the Rural Water Supply and Sanitation Agency (RUWASA) and the Manyara Regional Secretariat, the project involved installing solar-powered pumping systems, effectively replacing the less efficient, expensive, and environmentally damaging diesel pumps.

Two diesel pump systems were replaced with solar systems of 8.3 and 12.9kW. Solar energy now powers submersible solar pumps, designed to ensure a reliable water supply throughout the year — a critical factor in areas prone to water scarcity and crucial to prevent water-borne illnesses.

To ensure the proper operation and maintenance of the systems, the contractor's electrician provided technical training to the Community-Based Water Supply Organisations and RUWASA's technicians.

In addition to providing clean drinking water, the project significantly contributed to improving sanitary conditions in the villages.

It ensured a clean water supply to vital community facilities such as local schools and health centres. This was a crucial step in further enhancing the overall health and well-being of the Maasai community.

The introduction of solar power brought notable economic and environmental benefits as well. There was a substantial reduction in the cost of water by 40%, from 50 Tanzanian Shillings to 30 Shillings for a 20-liter bucket. Prices had previously escalated due to the high costs of diesel and electricity. By adopting solar energy, the project ensured a sustainable and cost-effective clean water supply and contributed to reducing the carbon footprint, aligning with EKOenergy's commitment to promoting renewable energy sources globally.

The success of the projects in Naberera and Emboreet serves as a model for similar initiatives in other rural communities, demonstrating the practicality and long-term benefits of renewable energy solutions in improving living standards and fostering sustainable development.

We appreciate the support of EKOenergy sellers and users in making initiatives like this one possible.

### Our Climate Fund



Focus on energy poverty and multiple Sustainable Development Goals



New projects annually in lower-income countries



Projects run and monitored by trusted NGOs



Selected through a transparent process



In 2023, EKOenergy approved grants for 20 new projects



All EKOenergy users contribute 0.10 € / MWh to the Climate Fund

# EKOenergy - the global ecolabel for renewable energy

EKOenergy is [the global ecolabel](#) for energy (electricity, gas, heat and cold). We are a non-profit initiative working to fight climate change, protect biodiversity and realise the Sustainable Development Goals.

Energy with the EKOenergy ecolabel fulfils additional [sustainability criteria](#). Through our ecolabel we also raise money for our Climate Fund, which is used to finance [new renewable energy](#) projects in developing countries.

EKOenergy's network of authorised sellers makes EKOenergy-labelled energy easily [available in over 80 countries worldwide](#). Many consumers of EKOenergy-labelled energy choose to use our ecolabel on their website or products to demonstrate their commitment to a 100% renewable and sustainable world.

EKOenergy users include large international businesses such as Microsoft, SAP, VMware, Pampers, Workday, SCHOTT and the Iliad Group, as well as cities, public organisations and individual households.



## Sustainability criteria: additional value for our planet

	EKOenergy	Other renewable energy	Grid mix
Recommended by environmental organisations	✓	?	-
Extra criteria to minimise the impact of energy production on nature. For example, hydropower installations with fish passes and wind turbines outside important bird areas	✓	?	-
Renewable energy tracked by EACs, such as GOs and I-RECs (In line with Greenhouse Gas Protocol Scope 2 Guidance)	✓	✓	-
Contributes to renewable energy projects in developing countries, advancing the realisation of multiple Sustainable Development Goals	✓	-	-
Available and recognised worldwide	✓	-	-
Supports the promotion of a transition to renewable energy worldwide	✓	-	-

## Endorsed by global standards

EKOenergy is recommended by many international environmental standards such as CDP, the Greenhouse Gas Protocol, Greenkey for hotels and LEED-certification for buildings.

*"A growing number of hotels in Europe have already switched to EKOenergy and include the EKOenergy logo in their communication with their guests. Follow their lead and go the extra mile."*

*"Ecolabels are a way for companies to do more with their purchases. EKOenergy, mentioned by the GHG Protocol Scope 2 Guidance, is such an option: it is a mark of quality which comes on top of tracking certificates."*

*"EKOenergy represents the best available option for the sustainable and additional consumption of renewable electricity within Europe."*

