

Indonesia

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Indonesia's Renewable Energy Program

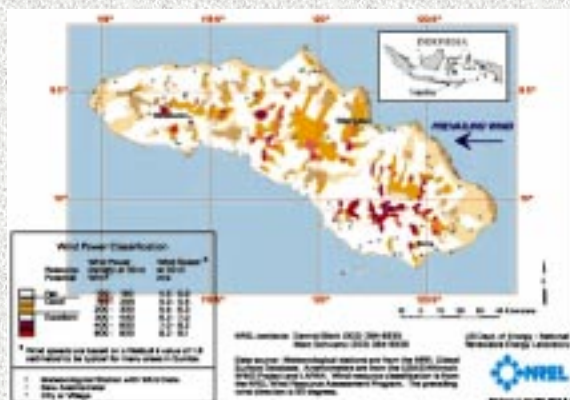
- Large geothermal power systems in populated areas
- Retrofitting of remote diesel power plants in the eastern islands using wind power systems
- Installation of small community based power and water pumping systems using wind technologies
- Development of financing mechanisms for leasing small wind power systems for rural electrification
- Market development for individual solar home systems to supply power in remote unelectrified communities.

Wind Project

- Installation and financing of wind-based power and water pumping systems in remote communities
- Wind measurement and resource mapping
- Eight systems installed; 40 to be installed
- Projects located in eastern islands, West Timor, and Sumba focus
- USAID funded; contributing organizations include Winrock International - project manager; and NREL - technical assistance.



Wind hybrid power system in West Timor



Sumba, Indonesia-Favorable Wind Resource Areas

Diesel Retrofit Study

- Assessment of the diesel retrofit market using wind technology for the eastern islands
- Focused on the region of NTT and the Maluku Islands
- Analysis data include wind-resource maps, diesel plant operational data, and maps of the plant distribution, and transmission networks to determine sites with diesel retrofit potential
- NREL technical assistance; funding from U.S. DOE, USAID, and the World Bank. Assistance from Winrock International and PLN.

Solar Home Systems

- Provide basic electricity to rural customers
- Facilitate private sector participation in renewable energy commercialization
- Promote sustainable development and reduces the energy sector's dependence on fossil fuels
- Strengthen Indonesia's institutional capacity.



Individual PV home system