

NRSE-SSN

@ PUSAT TENAGA MALAYSIA

Program Area No. 5: Renewable Energy

Renewable energy is an alternative to complement fossil fuel and to further support sustainable energy development

Objective:

To institute sustainable energy development through greater use of renewable energy and its technologies

Action Plan:

To promote the share of RE in the ASEAN to at least 10 percent of power generation

NRSE-SSN STRATEGIES

- Development of institutional framework
- Strengthening information networking
- Promoting intra-ASEAN cooperation on ASEAN-made products and services
- Promoting biomass-based cogeneration technology
- Promoting utilization of biofuels

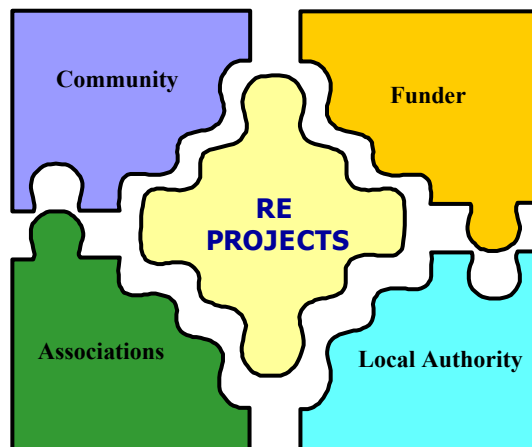
RE Initiatives

- ASEAN RE Project Management Competition – ASEAN Energy Awards
- Regional Competency Standards for Training in Renewable Energy
- EC – ASEAN Energy Facility (EAEF)
- Information for the Commercialization of Renewables in the ASEAN Region (ICRA)
- Stimulating EU-Indochina new and renewable energy (NRE) projects through private sector participation in economic cooperation and foreign direct investment (FDI) initiatives (Vietnam)
- Institutionalisation of Green IPP Network in the ASEAN Region
- Innovative Financial Scheme for Sustainable Development of Renewable Energy Projects in Rural Areas of Vietnam, Philippines & Indonesia (IFREIRA)
- Setting up of National Associations for Cogeneration and Decentralized Energy Systems in ASEAN Countries

OBSERVATIONS on ASEAN ENERGY AWARD PROJECTS

- The associations are well organised and professionally run
- Projects implementations are well structured and fund duly secured
- Costs of projects are make affordable via direct mobilisation of communities-'gotong-royong' spirit
- Inculcate deep appreciation of communities to own project and pay for its sustainability
- Complete DIY approach to RE project implementations and operations by the community for the community.

Community based: Project Implementation Model



EXAMPLES OF RE COMMUNITY-BASED PROJECTS IN THE ASEAN



- Community Development Approach in Rehabilitation of Leuwi Microhydro Power (**Indonesia**)
- Mahagnao Micro Hydro Power Plant Project (**Philippines**)
- Endau-Rompin National Park Research Centre; Diesel-Solar Hybrid System (**MNS, Malaysia**)
- The Cikahuripan 250 kW "Captive" Mini Hydro Power Plant (**Indonesia**)
- Upper Decoliat Micro-hydropower Scheme (**Philippines**)

THE EAEF: ICRA PROJECT (Aiming the mainstream agenda)



- Information for the Commercialisation of Renewable Energy
- Outputs:
1. ASEAN RE DATABASE
 2. RE THEMATIC POLICY PAPER
 3. ASEAN BIOMASS FOR ELECTRICITY GENERATION
 4. PV STANDARD HARMONISATION

Recommendations for greater intra-ASEAN cooperation on RE implementations



- **Rural Electrification:** To encourage greater 'Community-based' RE projects in the region.
- To identify best practice measures of projects and extend support via funding instruments.
- **Non Rural Use:** Promotional centre for biomass, mini-hydro, wind and solar PV based projects. Addressing common regional issues on feed-in quota, feed-in tariff, power purchase and interconnection for direct negotiation with HAPUA.



THANK YOU

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