

**Target Countries :** Island Country

**Course No. :** J1704376

**No. :** 1784602

**Sector :** Natural Resources and Energy/Renewable Energy

**Sub-Sector :** Natural Resources and Energy/Other Natural Resources and Energy Issues

**Language :** English

**Outline**

Introducing solar (PV) power generation and other renewable energy, there are technical difficulties to stable electricity especially in small size demand areas. Participants can learn the experiences and skills of Okinawa, where are a lot of islands and micro-grid systems (especially connecting PV power generation to multiple diesel generators in small size hybrid).

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b>                      To understand the issues to be considered issues when introducing renewable energy in micro-grid systems, and acquire basic knowledge necessary for designing micro-grid utilizing renewable energy such as PV and wind (especially, connecting photovoltaic power generation to multiple diesel generators in small size hybrid system).</p> <p><b>【Outcome】</b>                      &lt;Preparatory Phase&gt; Comprehend the situation of power distribution and introduction of renewable energy especially in remote areas in each country.                      &lt;Core Phase in Japan&gt;Participants will be able to explain:                      1. to understand policies and regulations in Japan to promote introduction of renewable energy                      2. to understand technical characteristics of PV and other renewable energy economic/accounting issues necessary for introducing PV generation                      3. to understand the issues when introducing renewable energy to micro grid                      4. to clarify the issues when participants introduce acquired knowledge in each home country and make action plan                      &lt;Finalization Phase&gt; To share the acquired knowledge with relevant people and clarify the issues to be tackled with priorities</p>	<p><b>【Target Organization】</b>                      Ministry or agency in charge of planning of introduction of renewable energy in micro-grid to island or remote areas.</p> <p><b>【Target Group】</b>                      Officers/ engineers working for government ministry or agency in charge of designing of micro-grid systems, who have 2 years or more relevant experiences.                      Age: 25-45 years old.</p>	
<p><b>Contents</b></p> <p><b>【Preparatory Phase】</b>                      Formulation of Country Report  <b>【Core Phase in Japan】</b>                      Lectures, site visits on                      1. policies, regulations &amp; organizations in Japan relevant to introduction of renewable energy                      2. mechanism and characteristics of power generation using PV and other renewable energy in micro-grid (including the issues of diesel)                      Presentation on each country's power supply and renewable energy in Pacific Islands Leaders Meeting (PALM)  <b>【Finalization Phase】</b>                      Sharing acquired knowledge with colleagues and other stakeholders and have discussion on the issues to be tackled with priorities.</p>	<p><b>Course Period</b></p>	<p>2017/06/01~2017/07/05</p>
	<p><b>Department in Charge</b></p>	<p>Industrial Development and Public Policy Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Okinawa</p>
<p><b>Implementing Partner</b></p>	<p>Okinawa Enetech</p>	
<p><b>Remarks and Website</b></p>	<p>This Program aims to supplementary support realizing the concept of the Hi-Brid Island Concept.</p>	