

## JENESYS Brunei-Japan Energy Technology Exchange (Invitation Program) Report

### 1. Program Overview

#### 【Objective】

The objective of this program was to invite young administrative officials and national energy enterprise officials from Brunei, a major energy supplier of liquefied natural gas (LNG), and have them deepen their understanding of the cooperation between Brunei and Japan in the energy sector through lectures by government agencies and local governments and visits to energy-related facilities, thus further promoting economic cooperation between Brunei and Japan.

【Participants】 6 young administrative officials and national energy enterprise officials

【Location】 6 participants visited Tokyo and Nagano

#### 【Program Schedule】

##### ■ Pre-exchange Program:

Monday, July 24	<b>【Pre-departure Orientation】</b> <b>【Video Viewing】</b> “Japan and the United Nations” Lecturer: Mr. KANETO Kentaro, Principal Deputy Director, United Nations Policy Division, Foreign Policy Bureau, MOFA of Japan
Set-period	<b>【Theme-based Learning (VOD)】</b> Lecture on Japan, Study Japanese Culture in Kyoto, Learning Japanese

##### ■ Inbound Program:

Wednesday, August 2	Arrival in Narita International Airport or Tokyo International Airport, Post-arrival Orientation <b>【Theme-related Lecture】</b> “Energy Cooperation between Japan and Brunei” Lecturer: Ms. IZATO Kaoru, Deputy Director International Affairs Division, Agency for Natural Resources and Energy
Thursday, August 3	<b>【Observation】</b> Toshiba Science Museum, Fukagawa Edo Museum
Friday, August 4	Travel from Tokyo to Nagano <b>【Theme-related Lecture】</b> “Natural Energy in Nagano Prefecture” Lecturer: Mr. MATSUZAWA Yuki, North Alps Regional Promotion Bureau <b>【Observation】</b> Solar Kanamori Power Generation Station <b>【Observation】</b> North Alpine Eco Park <b>【Japanese Cultural Experience】</b> Yukata (Yukata Festival)
Saturday, August 5	<b>【Courtesy Call】</b> Mr. MARUYAMA Toshiro, Mayor of Hakuba Village, Azumi-

gun, Nagano

【Observation】 Micro Hydro Power Generation Plant in Hirakawa, Hakuba

【Meeting with the Host Family, Homestay】 Hakuba Village

Sunday, August 6

【Farewell Party with the Host Family】

【Workshop】 Preparations for the Reporting Session

Monday, August 7

Travel from Nagano to Tokyo

【Reporting Session】

Tuesday, August 8





Departure from Narita International Airport

## 2. Program Photos

### Pre-exchange Program

	
<p>July 24 【Pre-departure Orientation】</p>	<p>July 24 【Video Viewing】 "Japan and the United Nations"</p>

### Inbound Program

	
<p>August 2 【 Theme-related Lecture 】 "Energy Cooperation between Japan and Brunei"</p>	<p>August 3 【 Observation 】 Toshiba Science Museum</p>
	
<p>August 3 【Observation】 Fukagawa Edo Museum</p>	<p>August 4 【Observation】 Solar Kanamori Power Generation Station</p>

	
<p>August 4 <b>【Observation】</b> Photo taken near North Alpine Eco Park (Waste Treatment Facility)</p>	<p>August 4<b>【Japanese Cultural Experience】</b>Yukata (Yukata Festival)</p>
	
<p>August 5 <b>【Courtesy Call】</b> Commemorative photo with Mr. MARUYAMA Toshiro, Mayor of Hakuba Village</p>	<p>August 5 <b>【Observation】</b> Micro Hydro Power Generation Plant in Hirakawa, Hakuba</p>
	
<p>August 6 <b>【Farewell Party】</b> Commemorative photo with the host family at the Rokko Alpine Botanical Garden</p>	<p>August 6 <b>【Workshop】</b></p>
	
<p>August 7 <b>【Reporting Session】</b> Review by the Embassy of Brunei Darussalam</p>	<p>August 7 <b>【Reporting Session】</b> Completion certificate awarding ceremony</p>

### **3. Voices from Participants (excerpt)**

#### **◆ Administrative Official**

I learned a great deal from the program. In Bruneian society, we have abundant energy resources, and our room temperatures are set at 16°C, which greatly contrasts with Japan. I was able to recognize the seriousness with which Japan is working to advance energy use at both the national and local government levels.

#### **◆ Administrative Official**

The theme-related lecture by the Agency for Natural Resources and Energy provided a lot of useful information. I learned about the actual situation in Japan and how it is tackling a wide range of energy issues, and I found it warming and gratifying to hear that Japan and Brunei are currently discussing projects for energy cooperation. I hope to make the most of my experience in this program to continue bilateral cooperation in the future.

#### **◆ National Energy Enterprise Official**

To be able to experience the modern lifestyle in Tokyo and also the beautiful view of the mountains in Nagano. I was also impressed on how Nagano is very conscious towards clean energy to preserve its beauty. Nagano has showed me that is it possible to be modern but at the same time keeping its natural resources intact.

### **4. Voices from the Receiving Parties (excerpt)**

#### **◆ Lecturer of the Theme-related Lecture**

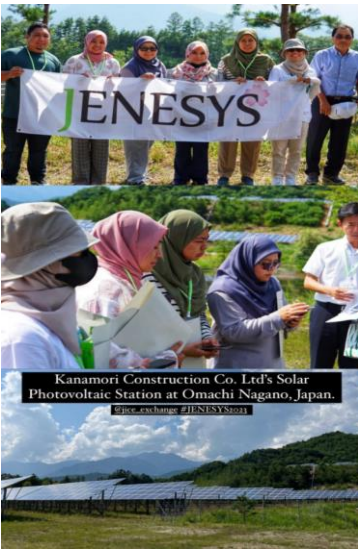



Everyone's enthusiastic questions and positive attitude made it all the more rewarding. I was surprised by how eager and interested the participants were. Next year will be an important year for both countries as it will be the 40th anniversary of the establishment of diplomatic relations between Brunei and Japan, and I hope that we will have more opportunities like this to further develop bilateral relations.

#### **◆ Local Cooperating Organization**

I would like to thank everyone for coming all the way to Nagano. We were happy to see that everyone enjoyed their time with us, including the homestay. It was rewarding for us as well.



## 5. Disseminations by the participants (excerpt), articles, etc.

	
<p>August 24, 2023 (Instagram)</p> <p>Kanamori Construction Co. Ltd's Solar Photovoltaic Station at Omachi Nagano, Japan</p>	<p>August 2, 2023 (borneobulletin.com.bn)</p> <p>Brunei delegates to explore energy tech in Japan</p>
	
<p>August 3, 2023 (ASEAN PORTAL)</p> <p>As part of the Japan's Friendship Ties Programs "JENESYS" promoted by the Ministry of Foreign Affairs of Japan, six administrative officials and energy related company officials from Brunei visited Tokyo and Nagano over the course of seven days. Through exchanges of opinions with relevant organizations in Japan and observations of different facilities, the participants from Brunei deepened their insights into the development of Japanese energy</p>	<p>August 9, 2023 (Kanamori construction Group website)</p> <p>A delegation from Brunei visited the Solar Kanamori Power Generation Station in Mikkamachi, Omachi City. As part of the JENESYS Brunei-Japan Energy Technology Exchange, participants visited our large-scale solar power plant and were briefed on solar energy by our employees.</p>

technologies and energy administration being undertaken by the national and local governments of Japan.

## 6. Results and Action Plans Presented at the Reporting Session



### 【What we Learned】

You could feel the effort to carry on traditions and culture everywhere. The cultural diversity ranged from temples and yukata to museums and Olympic heritage. We learned about the inclusive awareness of a society that is considerate of others, such as with traffic signals for the blind and barrier-free access.

### 【Learnings about Energy Technology】

A comparison of energy between Japan and Brunei reveals that while Japan has introduced environmentally friendly technologies such as small hydroelectric power generation and waste incinerators in eco-parks, Brunei uses gas turbine power generation and coal thermal power generation is the mainstream, and all waste disposal is done in landfills. Photovoltaic power generation has just started in Brunei in recent years, and we think there are many things we can learn from Japan, such as promoting the installation of solar panels on the roofs of houses.

### 【Action Plan】

Inspired by the recycling at the Northern Alps



### 【What we Learned】

There were so many places where children could play alone, meaning it's that safe. Since we went during summer vacation, many children were visiting Toshiba Science Museum. The concept of learning science while having fun was new to us. I was also impressed by how disciplined the people were and how well-developed the public transportation network was.

### 【Learnings about Energy Technology】

Through lectures of the Agency for Natural Resources and Energy, as well as local governments, we were able to understand Japan's new energy technologies, the roadmap for transition to renewable energy, and related measures. In addition, although micro-hydroelectric power generation that utilizes elevation differences is not seen in Brunei, the concept of making effective use of existing facilities and keeping costs down is fully understandable. Moreover, we were also impressed by the energy saving efforts achieved by promoting waste disposal and recycling

<p>Eco Park, we will conduct a survey on the awareness of waste segregation among citizens. With the cooperation of related NGOs, all members of the group will survey and analyze how much Brunei people know about waste segregation in about three months. Thus we will adopt it appropriately toward the long-term target: 2050 CARBON ZERO. The goal is to spread knowledge and awareness about the importance of sorting waste, and to share the study results with related organizations and people.</p>	<p>through sorting. It was surprising that solar power maximum output is usually observed in winter time rather than in midsummer.</p> <p>【Action Plan】</p> <p>We will introduce waste segregation (plastic/metal/food garbage) into Brunei LNG. Based on the viewpoint that each person's actions lead to GHG reduction, which in turn helps curb climate change as much as possible, we are promoting the HLP (Health Promotion Program) campaign and promoting a sustainable recycling-oriented program called Go Green. We will use newsletters, posters, and e-mails to raise awareness of the environment and energy conservation. We will share the practice not only in the workplace but also among relatives and others.</p>
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**Implementation Agency: Japan International Cooperation Center (JICE)**