



【Online】

Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

Energy Policy (B)
課題別研修「エネルギー政策 (B) 」
JFY 2022
NO. 202110051-J001/ ID. 202110051

Program Period:
From June 20, 2022 to August 24, 2022

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

'JICA Knowledge Co-Creation Program (KCCP)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *"In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together."* We believe that this 'Knowledge Co-Creation Program' will serve as a center of mutual learning process.

I. Concept

Background

With rapid economic development in recent years, global energy demand is expected to increase further particularly in developing countries. In this context, if a stable supply energy is not ensured and proper consideration is not given to environment, concerns over constraints on energy supply and demand, skyrocketing energy prices and increase in carbon dioxide emissions will possibly become more serious, which leads to a substantial negative impact on sustainable development in developing countries as well as global economy and environment. Currently, developing countries are also requested to pursue the perspective of ensuring the planning and implementation of energy transitions toward decarbonization, national energy security and efficient utilization of domestic resources in order to establish comprehensive energy policy and supply-demand forecasting. Balancing efforts to achieve a low-decarbonize society, energy security and economic viability in energy policy is especially challenging under the current situation of global pandemic.

For what?

This program will provide participating countries with knowledge on the energy situation and its policy transition in Japan and the rest of the world, and on the utilization of decarbonization technologies in Japan, including hydrogen and ammonia utilization, when they plan energy policies based on energy supply and demand projections and energy balances. It also aims to contribute to the planning and implementation of energy transitions toward decarbonization in developing countries where energy demand is increasing by supporting future activities.

For whom?

This program is offered to an executive energy policy formulation officer of Ministry of Energy or equivalent of governmental agencies.

How?

Participants shall have opportunities to identify approaches and strategies to ensure program effectiveness, enhance knowledge of energy policy, and improve policy planning viability. Participants will also formulate an action plan describing what the participant will do after this program putting the knowledge and ideas acquired and discussed through the program among others into their on-going activities.

Sustainable Development Goals (SDGs)

The United Nations Sustainable Development Goals (SDGs) were adopted as the 2030 Agenda for Sustainable Development by world leaders in September 2015, which now call for action by all countries. As a development cooperation agency, JICA is committed to achieving the SDGs. Through this program, which aims at creating a comprehensive energy policy and demand outlook contributes to realizing the goal 7, 12 and 13, by striving stable supply of energy and consideration for the environment.



II. Description

1. Title

Energy Policy (B)

2. Course Period:

From June 20, 2022 to August 24, 2022

See 10. Place and time on page 5 and < Tentative program > on page 10-11.

3. Target Regions or Countries¹

BOSNIA AND HERZEGOVINA, EGYPT, ERITREA, IRAN, MOROCCO, MOZAMBIQUE, PAKISTAN, SIERRA LEONE, SOUTH AFRICA, TANZANIA

4. Eligible / Target Organization

This program is offered to governmental agencies such as Ministry of Energy which are engaged in energy policy formulation.

5. Course Capacity (Upper limit of Participants): 10 participants²

6. Language to be used in this program: English

¹ TURKEY is scheduled to participate in the country-specific training in addition to the countries participating in the group & region focus training.

² This is the maximum number of participants excluding the number of participants from the country-specific training.

7. Course Objective:

A draft policy plan contributing to the formulation of comprehensive energy policy on Carbon Neutrality, at national level based on each country's characteristics and issues will be formulated in the participating organization.

Network among participants and between participants and JICA will be formulated.

8. Overall Goal

A comprehensive energy policy at national level with a medium to long term perspective will be drawn up and implemented.

9. Expected Module Output and Contents:

Modules deal with various global energy policies (Primary energy such as oil, coal, gas/ electricity/ energy conservation/ renewable energy, hydrogen/ammonia etc.) and current situation in Japan. This program consists of the following components. Details on each component are given below:

Expected Module Output	Subjects/Agendas	Methodology
(1) Energy situation and issues in each country are shared among the participants and priority issues are examined.	Country Report Presentation (10 minutes for each participant including questions and answers)	Presentation and Discussion
(2) Challenges in energy policy in each country are clarified through understanding and comparing changes and current status of energy situation/energy policies in Japan and the rest of the world.	Decision-Making Process in Japan / Energy Policy in Japan (Oil & Gas / Coal / Electricity / Energy Conservation / New and Renewable Energy), Approach to Global Environmental Issues / Energy Demand Forecasting in the World/Asia / Energy Balance Table / Observation: Thermal Power Plant, Renewable Energy, etc.	Lecture and Discussion
(3) Concepts and methods of energy demand forecasting, energy balance, energy best mix, and policies / plans / business models on Carbon Neutrality, are understood and their applicability in each country is examined.	Survey and management methodology for energy statistics data, energy database construction, understanding/formulation of energy balance table, workshop energy demand forecasting, scenario analysis, etc.	Lecture, Discussion and Exercises
(4) A draft Action Plan of specific countermeasures which contribute to solving challenges in each country is formulated.	Draft and presentation of Action Plan and discussion with experts.	Presentation and Discussion

10. Place and Time

Please refer the tentative schedule on page 10-11.

(1) Place

The place to take the program (On Demand/Online) will be determined by the internet environment. Please inform JICA which place you would like to take the program (e.g. home, office). If you can't find the proper place to take the program, please consult with JICA Office.

(2) Time for On Demand program:

Participants will be able to access On Demand program at any time and any place during On Demand program period.

Participants must work on assignments at home or office during this period.

Participants must submit their assignments by the designated deadline.

(3) Time for Online program (live stream)³

The days marked "online" on the tentative schedule on page 10-11 are the days that the online program is offered. This program also includes a 5-day exercise on "Energy Demand Forecasting" from July 27 to Aug.3.

The online program will be live-streamed from 5:00 PM in Japan Standard Time (JST). The online lectures start at the same time each time, but end at a different time each day, so please check the tentative schedule on page 10-11. The lectures will last from about 1.5 to 3 hours.

The starting time of live-streamed program in each participating country is as follows.

Country	Start time for the online program : 5:00 PM (JST)
SIERRA LEONE	8:00 AM -
BOSNIA AND HERZEGOVINA	9:00 AM
MOROCCO	9:00 AM
EGYPT	10:00AM
MOZAMBIQUE	10:00 AM
SOUTH AFRICA	10:00 AM
ERITREA	11:00 AM
TANZANIA	11:00 AM
TURKEY	11:00 AM
IRAN	11:30 AM
PAKISTAN	1:00 PM

11. Circumstance for Internet Connection and Necessary Devices

1) The program is conducted through a platform "Zoom Webinar and/or Meeting". It's necessary to ensure a stable and secure internet connection to access the platform. Internet speeds of downloading and uploading are recommended approximately 3 to

³ This live-streamed timetable also includes countries scheduled to participate in the country-specific training.

5 Mbps. (0.5 to 1.5 Mbps at least).

Please refer to this URL for how to measure internet speed.

<https://www.speedtest.net/>

2) Please understand that this training cannot be taken from a smartphone because the "SEE" software is used in the energy demand forecasting exercise and to ensure an environment in which you can concentrate on the training. Please note that the "SEE" software mentioned above runs on Windows PCs and is not guaranteed to run on Macs.

[Note] If you are not able to arrange internet connection or necessary devices, please consult with JICA office in your country.

12. Attendance requirement

Participation in both On Demand and Online program is an essential requirement for the completion of the course. Partial attendance is not allowed.

III. Conditions and Procedures for Application

1. Expectations from the Participating Organizations:

(1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.

(2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

(3) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.

(4) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before starting of this course.

(5) Participating organizations are also expected to make the best use of the results achieved by their participants.

2. Nominee Qualifications:

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

- 1) **Current Duties:** be a managerial level official in a policy planning division belonging to Ministry of Energy, or equivalent of governmental agencies.
- 2) **Experience in the relevant field:** more than three (3) years of experience in the fields
- 3) **Educational Background:** University graduate or its equivalent
- 4) Have an ability to operate spreadsheet software “**Microsoft Excel**” and “**Microsoft PowerPoint**”.
*Note: This course requires PC operation regarding exercise of energy demand forecasting.
- 5) **Internet Connection:** Meet the condition of “11. Circumstance for Internet Connection” II. Description on page 5-6.
- 6) **Language:** have a competent command of spoken and written English which is equal to TOEFL IBT 79-80 (CBT 213, PBT 550) or more. (This course includes active participation in discussions and intensive policy proposal writing, thus requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc.)
- 7) **Health:** must be in good health, both physically and mentally, to participate in the Program.
- 8) **Attendance:** You are required to attend the entire program. In some countries, lectures may be held in the morning or evening, but it is a requirement for participants to attend these live meetings. When applying for the program, please assure your supervisor that you will be able to adjust your daily work schedule to attend the entire program, and obtain his or her signature of approval to participate.

(2) Recommendable Qualification

- 1) Age: between the ages of thirty (30) and fifty (50) years.
- 2) Gender Equality and Women’s Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women’s empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

3. Required Documents for Application

(1) Application Form:

The Application Form is available at **the JICA office (or the Embassy of Japan)**.

(2) ANNEX I Questionnaire on page 12.

(3) Nominee’s English Score Sheet:

To be submitted with the application form. If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

(4) Photocopy of Passport or ID:

The following information should be included:
Name, Date of Birth, Nationality, and Expiry Date

4. Procedures for Application and Selection :

(1) Submission of Application Form:

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).**

(All required material must arrive at **JICA Center in Japan** by **May 10, 2022**)

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.* Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective government by **not later than May 24, 2022.**

5. Document(s) to be submitted by accepted candidates:

Only accepted candidates are required to make Country Report and to submit it by June 20. See Annex II on page 13.

6. Conditions for Attendance:

- (1) To strictly adhere to the program schedule and to attend all the programs: **partial attendance is not allowed.**
- (2) Not to change the program topics.
- (3) To complete all the assignment.
- (4) **To respect copyright and portrait rights.** To refrain from recording and sharing the video material, audio material, text, images, graphics and other content available during the program except for cases with specific permission.
- (5) In principle, a completion certificate will be given to participants who have achieved certain results by participating in all on-demand and online programs.

IV. Administrative Arrangements

1. Organizer:

- (1) **Name:** JICA TOKYO
(2) **Address:** 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan
(3) **URL:** <https://www.jica.go.jp/tokyo/english/office/index.html>
(4) **Contact:** Industrial Development and Public Policy Div., JICA Tokyo
(Officer in Charge: Ms. Maeda) email: tictip@jica.go.jp

* Please add the course number “202110051-J001” to a subject of the e-mail.

2. Implementing Partner:

- (1) **Name:** The Institute of Energy Economics, Japan (IEEJ)
(2) **Address:** Inui Bldg., Kachidoki (10F, 11F), 1-13-1, Kachidoki, Chuo-ku, Tokyo 104-0054, Japan
(3) **URL:** <https://eneken.ieej.or.jp/en/>

3. Expenses:

The following expenses will be provided for the participants by JICA:

- (1) Expenses for program implementation, including materials.
(2) a round-travel expense to the place where participants take this program in case participants will not take this program at home or office. For the details, kindly ask at JICA office.

4. Reference information

This program is not covered Japan -visit program. YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
French ver.	https://www.youtube.com/watch?v=v2yU9ISYcTY
Spanish ver.	https://www.youtube.com/watch?v=m7l-WIQSDjI
Russian ver.	https://www.youtube.com/watch?v=P7_ujz37AQc
Arabic ver.	https://www.youtube.com/watch?v=1iBQqdpXQb4
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html

5. Others:

In the context of the COVID-19 pandemic, please note that there is still a possibility the course period will be changed, shortened, or the course itself will be cancelled.

< Reference: Tentative Schedule (2022)>

Knowledge Co-Creation Program "Energy Policy (B)" Schedule						
Please ask starting time in your country to JICA Office !!						
ONLINE						
Date		Japan Standard Time (JST: UTC+9)	Time in your country	Min.	Content	
20-Jun	Mon	17:00 ~ 17:30		30	Checking attendance, computer settings, etc.	
		17:30 ~ 18:00		30	Briefing and Program Orientation	
		18:00 ~ 18:30		30	JICA's Assistance to Energy Sector	
		18:40 ~ 19:10		30	Welcome Address, Outline and Activities of IEEJ, Explanation of Action Plan and Introduction	
		19:10 ~ 19:30		20	JICA-VAN Q&A and demonstration	
ON-DEMAND						
Distribution Date		Submission Date of Assignment	Time in your country	Min.	Content	
21-Jun	Tue	28-Jun	Tue	75	Lecture (VOD): Decision-Making Process for Energy Policy Making in Japan	
22-Jun	Wed				Lecture (VOD): Sustainable Development Goals (SDGs) in Japan	
23-Jun	Thu	30-Jun	Thu	45	Lecture (VOD): International Energy Situation	
24-Jun	Fri				Lecture (VOD): Energy Policy in Japan (Oil, Gas)	
25-Jun	Sat					
26-Jun	Sun					
ONLINE						
Date		JST	Time in your country	Min.	Content	
27-Jun	Mon					
28-Jun	Tue					
29-Jun	Wed	17:00 ~ 18:30		90	Country Report Presentation (20 min/person presentation+Q&A)	
		18:40 ~ 20:00		80	Country Report Presentation (20 min/person presentation+Q&A)	
30-Jun	Thu	17:00 ~ 18:30		90	Country Report Presentation (20 min/person presentation+Q&A)	
		18:40 ~ 20:00		80	Country Report Presentation (20 min/person presentation+Q&A)	
ON-DEMAND						
Distribution Date		Submission Date of Assignment	Time in your country	Min.	Content	
1-Jul	Fri	5-Jul	Tue	45	Lecture (VOD): Energy Policy in Japan (Coal)	
					Lecture (VOD): Energy Policy in Japan (Electricity)	
	Fri	7-Jul	Thu	45	Lecture (VOD): Energy Policy in Japan (Nuclear Power)	
					Lecture (VOD): Energy Policy in Japan (Energy Conservation)	
2-Jul	Sat					
3-Jul	Sun					
ONLINE						
Date		JST	Time in your country	Min.	Content	
4-Jul	Mon	17:00 ~ 17:45		45	Lecture: Decision-Making Process in Japan, Follow-up Session	
		17:55 ~ 18:25		30	Lecture: Sustainable Development Goals (SDGs) in Japan, Follow-up Session	
5-Jul	Tue					
6-Jul	Wed	17:00 ~ 17:30		30	Lecture: International Energy Situation, Follow-up Session	
		17:45 ~ 18:15		30	Lecture: Energy Policy in Japan (Oil, Gas), Follow-up Session	
		18:30 ~ 19:15		45	Discussion	
ON-DEMAND						
Distribution Date		Submission Date of Assignment	Time in your country	Min.	Content	
7-Jul	Thu	12-Jul	Tue	45	Lecture (VOD): Energy Policy in Japan (Renewable Energy:Renewable Energy Overview)	
					Lecture (VOD): Energy Policy in Japan (Renewable Energy:System integration,Energy Storage, Hydrogen)	
8-Jul	Fri	14-Jul	Thu	45	Lecture (VOD): Energy Policy in Japan (Decarbonization)	
					Lecture (VOD): Global Environment Issues and Energy	
9-Jul	Sat					
10-Jul	Sun					
ONLINE						
Date		JST	Time in your country	Min.	Content	
11-Jul	Mon					
12-Jul	Tue					
13-Jul	Wed	17:00 ~ 17:30		30	Lecture: Energy Policy in Japan (Coal), Follow-up Session	
		17:45 ~ 18:15		30	Lecture: Energy Policy in Japan (Electricity), Follow-up Session	
14-Jul	Thu	17:00 ~ 17:30		30	Lecture: Energy Policy in Japan (Nuclear Power), Follow-up Session	
		17:45 ~ 18:15		30	Lecture: Energy Policy in Japan (Energy Conservation), Follow-up Session	
		18:30 ~ 19:15		45	Discussion	

ON-DEMAND						
Distribution Date		Submission Date of Assignment		Time in your country	Min.	Content
15-Jul	Fri	19-Jul	Tue		45	Lecture (VOD): Energy Statistics Collection
					45	Lecture (VOD): Energy Balance Table
					60	Lecture (VOD): World Energy Demand & Supply Outlook
		21-Jul	Thu		45	Practice (VOD): Energy Demand Modeling, Part 1: Installation of SEE Software
	60			Practice (VOD): Energy Demand Modeling, Part 2: Introduction of Basic Concept of SEE		
16-Jul	Sat					
17-Jul	Sun					
18-Jul	Mon					National Holiday in Japan
ONLINE						
Date		JST		Time in your country	Min.	Content
19-Jul	Tue					
20-Jul	Wed	17:00 ~	17:45		45	Lecture: Energy Policy in Japan (Renewable Energy), Follow-up Session
		18:00 ~	18:30		30	Lecture: Energy Policy in Japan (Decarbonization), Follow-up Session
21-Jul	Thu	17:00 ~	17:30		30	Lecture: Global Environmental Issues and Energy, Follow-up Session
		17:45 ~	18:30		45	Discussion
22-Jul	Fri					
23-Jul	Sat					
24-Jul	Sun					
25-Jul	Mon					
26-Jul	Tue	17:00 ~	17:30		30	Lecture: Energy Statistics Collection, Follow-up Session
		17:45 ~	18:15		30	Lecture: Energy Balance Table, Follow-up Session
		18:30 ~	19:00		30	Lecture: Global Energy Demand Forecasting, Follow-up Session
27-Jul	Wed					
28-Jul	Thu					
29-Jul	Fri					
30-Jul	Sat					
31-Jul	Sun					
1-Aug	Mon					
2-Aug	Tue					
3-Aug	Wed					
4-Aug	Thu					
5-Aug	Fri					
6-Aug	Sat					
7-Aug	Sun					
8-Aug	Mon	17:00 ~	18:00		60	Practice: Scenario Planning (Introduction)
		18:10 ~	19:00		50	Practice: Scenario Planning
9-Aug	Tue	17:00 ~	18:00		60	Practice: Scenario Planning
		18:10 ~	19:00		50	Practice: Scenario Planning
10-Aug	Wed	17:00 ~	18:00		60	Practice: Energy Demand Modeling (Introduction)
		18:10 ~	19:00		50	Practice: Energy Demand Modeling
11-Aug	Thu					National Holiday in Japan
12-Aug	Fri					
13-Aug	Sat					
14-Aug	Sun					
15-Aug	Mon	17:00 ~	18:00		60	Practice: Energy Demand Modeling
		18:10 ~	19:00		50	Practice: Energy Demand Modeling
16-Aug	Tue	17:00 ~	18:00		60	Practice: Energy Demand Modeling
		18:10 ~	19:00		50	Practice: Energy Demand Modeling
17-Aug	Wed	17:00 ~	18:00		60	Discussion to prepare for Action Plan Presentation
18-Aug	Thu					
19-Aug	Fri					
20-Aug	Sat					
21-Aug	Sun					
22-Aug	Mon					
23-Aug	Tue	17:00 ~	18:30		90	Action Plan Presentation (15 min/person presentation+Q&A)
		18:40 ~	20:10		90	Action Plan Presentation (15 min/person presentation+Q&A)
24-Aug	Wed	17:00 ~	18:10		70	Action Plan Presentation (15 min/person presentation+Q&A)
		18:20 ~	18:50		30	Discussion
		19:00 ~	19:30		30	JICA Evaluation Meeting & Closing ceremony

The program is subject to change.

Please complete the questionnaire and submit it with application form.

ANNEX I

Questionnaire

- 1 Name: _____
- 2 Country: _____
- 3 E-mail address: _____
- 4 Phone No. for emergency call when happening internet connection problem during the program: _____
- 5 Have you ever used “Zoom Webinar and/or Meeting”: Yes / No _____
- 6 Where do you connect this online program from?
Home / Office / JICA office / Others: _____
- 7 PC skill (Choose one of three) : _____
 - A. I have never used “Microsoft Excel” or “Microsoft PowerPoint”.
 - B. I am a beginner of “Microsoft Excel” or “Microsoft PowerPoint”.
 - C. I am intermediate or upper level of “Microsoft Excel” (including use of functions) and “Microsoft PowerPoint”.

Any comment, if any.

End of Questionnaire.

Guideline for the Country Report

Submission of Country Report

- Due date of submission: June 20, 2022
- Create using **Microsoft PowerPoint**
- Email to : tictip@jica.go.jp Include the course title "202110051-J001 Energy Policy(B)" in the subject of your E-mail.
- Maximum file size attached is limited to 20 MB.
- Attached file should not be compressed (.zip, .rar, etc.) - those compressed file can NOT be received due to the security policy.

Basic Contents of Country Report (10 pages) (+ Appendix : 5 pages at maximum)

Presentation time for 10 minutes (+ Q & A for 10 minutes)

※If your presentation time is extended, there will be no time for discussion and for other presenters, so please adhere to the 10-minute limit.

Basic Contents of Country Report (10 pages)

1. General information (2 pages)
 - 1) Country profile
 - 2) Economic indicators (GDP, population, No. of households, etc.)
 - 3) Organizational structure related Energy (government, governmental agency, and research institute)
 - 4) Reserves of energy and mineral resources
2. Past energy demand and supply (at least past 10 years) (3 pages)
 - 1) Primary energy supply (Unit: ktoe) by source (production, imports and exports)
 - 2) Primary energy supply (Unit: ktoe) by energy source (coal, oil, gas, electricity (nuclear, hydro, geothermal & solar), biofuels & waste, others)
 - 3) Final energy consumption (Unit: ktoe) by sector (industry, transport, others (residential, commercial & public services, others))
 - 4) Final energy consumption (Unit: ktoe) by energy source (coal, oil, gas, electricity (nuclear, hydro, geothermal & solar), biofuels & waste, others)
 - 5) Electricity generation (Unit: GWh) by energy source (coal, oil, gas, nuclear, renewable sources)
 - 6) CO₂ emission (Unit: Mt CO₂) by sector (industry, transport, others (residential, commercial & public services, others)) and energy source (coal, oil, gas, others)
 - 7) Evaluation for the presence of an impact of COVID-19 on energy demand and supply in 2021
3. Outlook of energy demand and supply (2025, 2030, 2040 and 2050 if possible) (2 pages)
 - 1) Primary energy supply (Unit: ktoe) by source and energy source
 - 2) Final energy consumption (Unit: ktoe) by sector and energy source
 - 3) Electricity generation (Unit: GWh) by energy source
 - 4) CO₂ emission (Unit: Mt CO₂) by sector and energy source
4. Current energy policy and measures/Major difficulties and bottlenecks currently faced in formulating energy policies (3 Main points, respectively 2 pages)
5. Subjects you especially would like to learn in this program (1 page)

(Appendix) (5 pages at maximum)

- 1) Energy Prices
 - 2) Energy-related investment for domestic and overseas
- Other information which you would like to add

Concluded

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan.

Further, address correspondence to:

JICA TOKYO

Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan

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