

## Viet Nam Energy Partnership Group

### Technical Working Group on Energy Data and Statistics

### Report of the 6<sup>th</sup> Meeting

**Date:** 06 May 2021  
**Location:** Online Participation  
**Time:** 14:00 – 17:00

#### Objective of the Meeting:

- Update on the process of **Power Development Plan VIII (PDP 8)**
- **Planning and priority topics** for the Technical Working Group on Energy Data and Statistics in 2021

#### Chair and Co-Chairs:

- **Mr. Nguyễn Tuấn Anh**, Deputy director general, Electricity, and Renewable Energy Authority, Ministry of Industry and Trade (EREA/MOIT)
- **Mr. Loui Algren**, Long-term Advisor at Danish Energy Partnership Programme, Danish Energy Agency

#### Agreed Conclusions and Actions: (See next page)

**Agenda:** See Annex 1

**Participants:** See Annex 2

**Minutes:** See Annex 3

**Inputs:** See Annex 4 -

- 4.1 Presentation of the VEPG Secretariat
- 4.2 Overview of VEIS
- 4.3 updates on PDP8
- 4.4 Vietnam Energy Outlook report

## Agreed Conclusions and Actions:

Decision	Action
<ul style="list-style-type: none"> <li>• To improve the performance of VEIS and VEIC:               <ul style="list-style-type: none"> <li>- strengthen the existing legal framework and prepare for information infrastructure investment;</li> <li>- Improve the VEIC's organisational capacity and institutional framework.</li> <li>- budget mobilization</li> <li>- Pilot Program on Data Collection</li> </ul> </li> <li>• The publication of Technology Catalogue and Vietnam Energy Outlook Report 2021 will provide inputs for the complement of PDP8.               <ul style="list-style-type: none"> <li>- The Technology Catalogue will be launched in Mid-June 2021</li> <li>- The Vietnam EOR 2021 will be published in October 2021</li> </ul> </li> <li>• VEPG Policy Recommendations</li> </ul>	<p>EREA/ MOIT  Denmark  VEPG Secretariat</p>
<ul style="list-style-type: none"> <li>• Preparation for the Steering Committee and High-level Meeting               <ul style="list-style-type: none"> <li>- Continue to work as a high-level policy dialogue between the Government and other development partners, on the energy transition in Viet Nam;</li> <li>- Strengthened capacities of and coordination among key stakeholders in the energy sector, like Government, private sector and social organisations.</li> </ul> </li> </ul>	<p>VEPG Secretariat</p>



## ANNEX 1 - AGENDA

### 13.50-14.00 Log-In & Guidance for Webinar Users

### 14.00-14.15 Welcome Remarks & Secretariat Report

*Mr. Nguyễn Tuấn Anh / Mr. Loui Algren*

- Welcome and Meeting Agenda Introduction
- Introduction of Mr. Loui Algren as the new Co-chair of the TWG

*Ms. Nguyen Phuong Thao, Viet Nam Energy Partnership Group (VEPG)*

- Report of the Secretariat on VEPG planning 2020

### 14.15-14.30 Update on the VEIS and VEIC

- EREA/MOIT: Update on the implementation of the VEIS and VEIC
- Q&A session

### 14.30-15.30 Update on PDP VIII

- EREA/MOIT: Update on the Power Development Plan VIII process
- EU SE4ALL (TAF team): support to Conduct a Strategic Environmental Assessment (SEA) of the PDP VIII in the period 2021-2030 with Outlook to 2045
- Q&A session

### 15.30-15.45 Tea break

### 16.00-16.15 Updates on the EOR 2021 and Energy Technology Catalogue

- Denmark: Update on the EOR 2021 and the Energy Technology Catalogue

### 16.15-16.45 Moderated Planning Session: TWG on Energy Data and Statistics in 2021

- Priority topics for the TWG on Energy Data and Statistics in 2021

### 16.45-17.00 Closing of the meeting

*Mr. Nguyễn Tuấn Anh / Mr. Loui Algren*



## ANNEX 2 - PARTICIPANTS

### Co-Chairs

- **Mr. Nguyễn Tuấn Anh**, Deputy director general, Electricity, and Renewable Energy Authority, Ministry of Industry and Trade (EREA/MOIT)
- **Mr. Loui Algren**, Long-term Advisor at Danish Energy Partnership Programme, Danish Energy Agency

### Further participants

- **Mr. Hoàng Xuân Huy**, EREA/MOIT
- **Mr. Nguyễn Hoàng Linh**, EREA/MOIT
- **Mr. Nguyễn Hoàng Nam**, VAST
- **Mr. Vu Quang Dang**, ADB
- **Mr. Au Minh Tuan**, ADB
- **Mr. Bui Thanh Duy**, ADB
- **Mr. Pham Dang Khoa**, AFD
- **Ms. Nina Seahra**, Canada
- **Ms. Trần Thùy Dương**, EUD
- **Ms. Laura Lindoro**, EUD
- **Ms. Bach Lan Phuong**, EUD
- **Mr. John Soussan**, EU TAF
- **Mr. Thierry Lefevre**, EU TAF
- **Mr. Tran Dai Nghia**, Finland
- **Ms. Anja Latacz**, GIZ
- **Mr. Henri Wasnick**, IOE
- **Mr. Bui Thanh Trung**, JICA
- **Mr. Tran Hai Anh**, Innovation Norway
- **Mr. Brendan Coleman**, OECD
- **Mr. Yuchong Nam**, UNOPS
- **Ms. Sirpa Jarvenpaa**, UNOPS (ETP Secretariat)
- **Ms. Praewpan Intapanya**, UNOPS (ETP Secretariat)
- **Ms. Sandra Wolderoth**, Sweden
- **Ms. Le Thi Ngoc Bich**, UK
- **Ms. Vuong An**, UK
- **Ms. Eleanor Criswell**, UK
- **Mr. Tran Hoang Anh**, VIET SE
- **Mr. Ha Minh Duong**, VIET SE
- **Ms. Ngo To Nhien**, VIET SE
- **Mr. Pham Thanh**, Wartsila
- **Ms. Le Tra**, Finnsea
- **Ms. Stuti Gandotra**, Wartsila
- **Mr. Bui Thanh Hung**, New Energy Nexus
- **Mr. Marshall Brown**, GGGI



- **Mr. Lê Đại Nghĩa**, Finland
- **Ms. Đào Thị Minh Hiền**, Vietnam Clean Energy Association (VCEA)
- **Ms. Đỗ Minh Tâm**, WWF

VEPG Secretariat

- **Ms. Amber Sharick**, International coordinator, VEPG Secretariat
- **Ms. Nguyễn Phương Thảo**, VEPG Secretariat
- **Mr. Đỗ Quang Nhật**, VEPG Secretariat
- **Ms. Trịnh Ngọc Thúy**, VEPG Secretariat
- **Ms. Vũ Minh Hiền**, GIZ Support Team

### ANNEX 3 - SUMMARY MINUTES

Agenda Item	Note
<p><b>Welcome and Opening Remarks</b></p>	<ul style="list-style-type: none"> <li>• <u>Mr. Nguyen Tuan Anh, Deputy Director-General, EREA/MOIT</u>, Chair of the TWG welcomed and thanked all the participants to join online. The meeting should have been waiting until the draft PDP8 gets approval from the Prime Minister. However, up to now, it has not been approved yet but the meeting should be held to provide inputs and well prepared for the upcoming Steering Committee meeting which is scheduled for the beginning of June. Mr. Tuan Anh briefed the topics that would be discussed during the meeting: energy data and statistics, legal framework to establish and implement VEIS, the institutional framework for establishing VEIC, Vietnam energy database supporting the development of PDP8. Policy recommendations on energy data and statistics will also be discussed in preparation for the VEPG high-level meeting in August. <i>Mr. Tuan Anh</i> introduced Mr. Loui Algren as the new co-chair of the TWG on Energy Data and Statistics</li> <li>• <u>Mr. Lui Algren, long-term advisor of the Danish Energy Partnership Programme (DEPP/DEA)</u> was pleased to take the role of the co-chair of VEPG TWG on Energy Data and Statistics in this phase. He recognized the works of the TWG on Energy Data and Statistics the development of energy data foundation in Viet Nam and in boosting the cooperation between stakeholders.</li> <li>• <u>Ms. Nguyen Phuong Thao, the VEPG Secretariat</u> presented the planning for the VEPG in 2021 and the outcomes of the Steering Committee (Annex 4.1).</li> </ul>
<p><b>Update on VEIS and VEIC</b></p>	<ul style="list-style-type: none"> <li>• <u>Mr. Hoàng Xuân Huy, Electricity and Renewable Energy Consulting, Training and Information Center (ECTIC)</u> presented the overview of VEIS and VEIC in terms of sources of data, structure, action plan in 2021 looking forward 2022- 2025, highlighted the outcomes and proposed recommendations. Mr. Huy pointed out 4 key elements for the development of VEIS: (1) Policy and Mechanism, (2) Financial resources, (3) human resources, and (4) energy information infrastructure. Circular 34 and decision 4651/QĐ-BCT were mentioned as the legal framework guiding the establishment and implementation of VEIS (Annex 4.1)</li> <li>• Recommendations proposed by Mr. Huy: <ul style="list-style-type: none"> <li>- <u>Financial Resources</u>: The center serves as the focal point to collect and process national energy information, but the allocated budget is currently limited. It is recommended that leaders of the EREA/MOIT and international organizations should pay attention to mobilize more capital to invest in infrastructure, capacity building for promoting the development of the VEIS and VEIC.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- <u>Legal framework for inter-ministries coordination</u>: Data on Viet Nam's energy sector is not only gathered and processed by the MOIT but also other ministries. A stronger legal framework for the inter-ministry coordination for the gathering and compilation of data from different ministries is recommended.</li> <li>- <u>Capacity strengthening of personnel</u>: The VEIC is still in its infancy and needs to improve the capacity of officials.</li> <li>• <u>Mr. Nguyễn Tuấn Anh, EREA/MOIT, Chair of TWG</u> added that the energy information center VEIC has been established and come into operation under the management of the EREA as stipulated in Circular 34. The MOIT appointed the director of the center and developed an investment plan report. This year, the MOIT will work to create an effective operational structure. Mr. Tuan Anh emphasized the need for a stronger legal framework than Circular 34 which would be approved by the Prime Minister. In the coming time, Vietnam Energy Information Center will follow the action plan to become a national energy information center providing a database with clear publications serving agencies, organizations, and interested individuals. This is also an important foundation for research sources to enact policies in general as well as energy development policies.</li> <li>• Development partners' support for energy data and statistics: <ul style="list-style-type: none"> <li>- GIZ is supporting EREA in the development of a feasibility study report for the VEIC based on which, the MOIT will mobilize funds from the national budget and EREA also called for additional capital from other sources.</li> <li>- The EU is supporting the establishment of the VEIS and VEIC through the EU-Viet Nam Energy Facility (GIZ as the implementer) which will end in November 2021. The EUD is in the process of negotiating with the MOIT for the next support program which is estimated to be around EUR 142 million. The EUD reaffirm their continuous support for the development of the energy database and center In Viet Nam.</li> <li>- The OECD is working with EREA and DEESD on mapping of investment on Renewable energy and energy efficiency which will feed into the energy database.</li> </ul> </li> <li>• Members of the TWG discussed the agenda topics. Below are highlights of the discussion: <ul style="list-style-type: none"> <li>- <u>Clarify the coordination between the ministries (for example between GSO, MPI, and MOIT; EREA and DEESD)</u>: Article 18 of Circular 34 regulated the cooperation with other agencies to complete the energy information database. However, Up to now, the legal documents are not strong enough to coordinate between the ministries of the MOIT and GSO (MPI). There is a need for a stronger coordination mechanism. The data on energy supply should be collected to assess the potential of renewable energy, serving the</li> </ul> </li> </ul>
--	---

	<p>planning and implementation of specific projects. In 2021, data on wind and solar power will be collected as a pilot model for the data collection that was proposed. The success of the pilot project would create a foundation for the center to officially come into operation and collect more synchronized data not only renewable energy; data collection results will serve the strategic planning and policy recommendations.</p>
<p><b>Update on PDP8 and SEA</b></p>	<ul style="list-style-type: none"> <li>• <u>Mr. Nguyễn Tuấn Anh, EREA/MOIT, Chair of TWG</u> delivered the updates on the draft PDP8. In February, the MOIT has finalized and released the third draft of PDP8 for public consultation. At the end of March, MOIT has submitted the 4<sup>th</sup> draft of PDP8 to the Prime Minister for approval (See more in Annex 4.3). He highlighted the remarkable differences between PDP8 and previous PDPs: <ul style="list-style-type: none"> <li>- The planning area is rationally determined in line with the regional potentials. The advanced planning model is applied to verify the ability to operate with a high percentage of renewable energy.</li> <li>- For the first time, social costs are calculated in the power generation. The calculation of the external costs will enable the Power development program to run on the right path towards sustainable and environmentally friendly development, in line with the general trend of the world.</li> <li>- The power structure will be developed towards a more diversification and high priority given to renewable energy development.</li> <li>- The PDP is quite open, with only big and prioritized power projects listed. 3 priority topics are identified: Finalizing the legal framework, electricity price mechanism, and ensuring the operation of the electricity system</li> </ul> </li> <li>• <u>EU Technical Assistance Facility for Sustainable Energy</u>: presented on the support to conduct a Strategic Environmental Assessment (SEA) for the PDP VIII. (Annex 4.1). The SEA report provided input for PDP8 that will bring the result leading to a dramatic growth of renewables and a major reduction in predicted expansion of coal. As a result of this support, the PDP8 internalized the environmental costs into the scenarios. The SEA report is pending final approval for publication. The training capacity module link is provided here: <a href="https://www.ceerd.net/online-training-module">https://www.ceerd.net/online-training-module</a>.</li> <li>• The TWG discussed the presentations on PDP8 by EREA/MOIT and the Strategic Environmental Assessment by EU-TAF. The highlights of the discussion are as below: <ul style="list-style-type: none"> <li>- <u>High-voltage DC in PDP8</u>: HVDC will be planned for after 2035.</li> </ul> </li> </ul>
<p><b>Updates on the EOR 2021 and</b></p>	<ul style="list-style-type: none"> <li>• <u>Mr. Loui Algren, the co-chair</u> briefly presented some updates on the Energy Technology Catalogue and the progress of the Energy Outlook</li> </ul>

<p><b>Energy Technology Catalogue</b></p>	<p>Report (EOR) 2021. Both the Technology Catalogue and the EOR process provide a strong foundation for optimization of its energy system and long-term planning of the country's green transition. \ Mr. Loui highlighted the updates that include the CFB coal-fired power, carbon capture, rooftop PV, tidal and wave power, and increased flexibility of existing coal-fired power plants and Offshore wind divided in intertidal and real offshore. The second edition of the technology catalogue is planned to be released at the same time as the consultation workshop on EOR 2021 which is tentatively taking place in mid-June.</p> <p>The Vietnam Energy Outlook Report is developed by the MOIT in cooperation with the DEA to provide an overview of the directions taken by the energy sector with a focus on the power development scenarios. in the EOR 2021, 6 scenarios have been identified: assessment of PDP8, ambitious renewable energy, E-mobility including electric vehicles and e-fuels, energy efficiency, air pollution cost, and fulfilling the government's commitment to the Paris agreement. The Energy Outlook Report Workshop discussing with stakeholders about their concerns will be held in October this year.</p>
<p><b>Moderated Planning Session: TWG on Energy Data and Statistics in 2021</b></p>	<ul style="list-style-type: none"> <li>• <u>Ms. Amber Sharick, VEPG</u> presented the proposed priority for the TWG in 2021. The priority topics included: <ul style="list-style-type: none"> <li>- To focus on VEIS and VEIC database building. The technical working group should work on the policy recommendations to strengthen the legal framework and improve the institutional framework for the operation of VEIS and VEIC.</li> <li>- To Planning and implementing activities to support the formation of the country's energy database, publish the technology catalogue, and finalize the Energy Outlook Report 2021 in October</li> <li>- To improve the capacity for the policymakers, officials, and VEIC's staff in the coming time.</li> <li>- Currently, the Ministry of Industry and Trade is reviewing the draft PDP8 and working on the Energy Master Plan, the publication of the energy outlook report 2021 will provide inputs to help complete the PDP8.</li> </ul> </li> <li>• The Steering Committee Meeting and High-Level Meeting will continue to discuss the progress of PDP VIII and the Energy Master Plan. The VEPG Steering Committee would also consider if a new TWG or new concept for the TWG on Energy Data and Statistics should be included.</li> </ul>
<p><b>Other Matters and Closure</b></p>	<ul style="list-style-type: none"> <li>• <u>The chair</u> thanked the participants, inputs from partners, and all the questions and answers contributing to the success of the TWG meeting on Energy Data and Statistics. Mr. Tuan Anh also thanked the presentations for the development of the VEIS and VEIC and relating activities and acknowledged the contribution of the VEPG Secretariat and the interpreters for the successful organization of the meeting.</li> </ul>



	<ul style="list-style-type: none"><li>• <u>The Co-chair</u> also thanked all participants for actively participate in the meeting. He also congratulates EREA on the internalization of environmental costs into the development of the PDP8. He also reaffirms the focus of the TWG on supporting the development of data center in Viet Nam and supporting reports including the Technology Catalogue and the Viet Nam Energy Outlook Report.</li></ul>
--	---



## **ANNEX 4.1 – PRESENTATION OF THE VEPG SECRETARIAT**

