



Republic of the Philippines
DEPARTMENT OF ENERGY
(Kagawaran ng Enerhiya)

DEPARTMENT ORDER NO. DO2022-11-0015 ✓

CREATION OF A TECHNICAL WORKING GROUP (TWG) FOR THE DEVELOPMENT OF SOCIO- AND TECHNO-ECONOMIC ASSUMPTIONS AND PARAMETERS (STEAPs) FOR THE PHILIPPINE ENERGY PLAN AND OTHER ENERGY RELATED RESEARCH AND STUDIES

WHEREAS, Republic Act (R.A.) No. 7638 or the Department of Energy (DOE) Act of 1992 declares the policy of the State to ensure a continuous, adequate, and economic supply of energy with the end view of ultimately achieving self-reliance in the country's energy requirements;

WHEREAS, Section 5 (b) of R.A. 7638 mandates the DOE to develop and update the existing Philippine Energy Plan (PEP) which shall provide for an integrated and comprehensive exploration, development, utilization, distribution, and conservation of energy resources, with preferential bias for environment-friendly, indigenous, and low-cost sources of energy where said Plan shall be submitted to Congress not later than fifteenth (15th) day of September of each year;

WHEREAS, Section 37 (c) of R.A. 9136 known as the "Electric Power Industry Reform Act of 2001" likewise tasks the DOE to prepare and update annually a Power Development Program (PDP) and integrate the same into the PEP. The PDP shall consider and integrate the individual or joint development plans of the transmission, generation, and distribution sectors of the electric power industry, which are submitted to the DOE;

WHEREAS, Section 5 of R.A. 9513 known as the "Renewable Energy Act of 2008" mandates the DOE to lead the implementation of its provisions, including the execution of the National Renewable Energy Program (NREP) based on the recommendations of the National Renewable Energy Board (NREB) as created under Section 27 of the same Act;

WHEREAS, Section 5 of R.A. 11285 known as the "Energy Efficiency and Conservation Act of 2019" mandates the DOE as the lead agency in the implementation of this Act and shall be responsible for planning, formulation, development, implementation, enforcement, and monitoring of energy management policies and other related energy efficiency and conservation (EE&C) plans and programs;

WHEREAS, Department Order No. DO2018-04-0009 known as "Institutionalizing Submission of Energy Information, Sectoral Developments, and Statistics/Data to the Energy Policy and Planning Bureau (EPPB)" ordered all Bureaus, Services, Units, and Field Offices of the DOE to submit the required energy data/statistics and other relevant information to the EPPB, and likewise tasks the EPPB to gather inputs in the development of the PEP;

WHEREAS, the formulation of the PEP requires synergy and collaboration among and between the bureaus and services of the DOE to formulate policies, plans, and programs; as well as set forth energy modelling assumptions and parameters;

NOW, THEREFORE, the foregoing premises considered and pursuant to DOE's statutory mandate and provisions of R.A. 7638, a TWG is hereby created to harmonize and update the energy modelling assumptions and parameters used for the formulation of the PEP as well as for purposes of energy-related research and studies.

Section 1: Objective. Develop a harmonized database for STEAPs for energy modelling and energy-related research to include data, statistics and/or information.

Section 2. Scope. The STEAPs database shall include the following relevant data/statistics and/or information:

1. Macroeconomic targets and indicators (gross domestic product [GDP], population, etc.)
2. Power plant economics and related data (levelized costs, investment, operating and maintenance, variable, plant efficiency, heat rate fuel input, capacity factor, availability factor, feedstock, etc.)
3. Fuel prices for both local and international (i.e., electricity, crude, petroleum products, gas, biomass feedstock, geothermal steam, etc.)
4. Cost related-alternative fuel and vehicles assumptions
5. Other related assumptions

Section 3. Creation of the TWG and Composition. The TWG for the Development of Socio- and Techno-Economic Assumptions and Parameters (STEAPs TWG) is hereby created and shall be composed of the following:

Lead : Director of Energy Policy and Planning Bureau (EPPB)

Members : Directors of the following DOE Technical Bureaus and Financial Service

Electric Power Industry Management Bureau (EPIMB)
Renewable Energy Management Bureau (REMB)
Energy Utilization Management Bureau (EUMB)
Energy Resource Development Bureau (ERDB)
Oil Industry Management Bureau (OIMB)
Financial Services (FS)

Alternate Members: Division Chief and/or Section Chiefs of the DOE Technical Bureaus

Designated members of the TWG shall be director-level and they shall be responsible to appoint their respective alternates, preferably a Division Chief (DC) level and/or Supervisor (Section Chief) of the relevant units to ensure appropriate representation and continuity in the performance of their respective functions.

Section 4. Functions and Responsibilities of the STEAPs TWG. As hereby constituted, the STEAPs-TWG shall be responsible for the following:

- a) Conduct of inventory assessment of energy data/statistics and/or information submitted to and processed by the DOE in relation to and in preparation for the STEAPs database; and

- b) Conduct of annual updating of the STEAPs database for PEP formulation and other energy-related research and studies.

For this purpose, the STEAPs TWG shall conduct consultation meetings, prepare recommendations and provide technical assistance related parameters and assumptions for energy modelling.

Section 5. Technical and Secretariat Support. The EPPB shall serve as Technical Secretariat for the STEAPs TWG. The functions of the Technical Secretariat include the following:

- a) Provide secretariat support during the conduct of meetings and related activities for the updating of the STEAPs database;
- b) Develop a template for the submission of inputs for the STEAPs database;
- c) Consolidate the socio- and techno-economic assumptions and parameters as submitted by the STEAPs TWG members;
- d) Prepare, maintain, monitor and update the STEAPs database; and
- e) Act as a repository and custodian of the STEAPs database and share it with relevant operating bureaus and units.

Section 6. Resource Persons. The STEAPs TWG shall be supported by other DOE Services and Field Offices as necessary.

Section 7. Data Submission and Timelines. STEAPs TWG members shall submit the data requirements identified in Section 2 to the Technical Secretariat not later than April 30 of each calendar year in preparation for the scheduled submission of the PEP to Congress. Any update, revision, and/or change made after the specified cut-off shall be considered for the next PEP updating and/or preparation.

Section 8. Data Access and Banking. The Technical Secretariat shall be the official repository of the STEAPs database and shall assume responsibility for its maintenance and regular updating in consultation and coordination with the STEAPs TWG. The STEAPs database shall likewise be disseminated to all STEAPs TWG members for their reference and perusal. Should there be a need to change and/or update the information stated in the STEAPs database, members of the STEAPs TWG shall inform the Technical Secretariat in writing.

Section 9. Confidentiality Clause. The data collected shall be used strictly for planning and policy purposes within the DOE and shall not in any way be used for commercial purposes or legally against or to the disadvantage of the source of the data such as generation companies, Independent Power Producer Administrators, Transmission System Operator and Network Provider, Distribution Utilities and their customers.

Section 10. Repealing Clause. All Department Orders and other issuances of the DOE inconsistent with the provisions of this Department Order are hereby modified and suspended accordingly.

Section 11. Separability Clause. If for any reason, any section or provision of this Department Order is declared unconstitutional or invalid, such part not affected shall remain valid and subsisting.

Section 12. Effectivity. This Department Order shall take effect immediately upon signing and shall remain in effect unless otherwise revoked by the undersigned and or competent authority.

Issued on NOV 18 2022 at the DOE, Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.



RAPHAEL P. M. LOTILLA
Secretary