



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

DEPARTMENT ORDER NO. DO2018-03-0005

**INSTITUTIONALIZATION OF THE GREENHOUSE GAS (GHG)
INVENTORY TEAM OF THE ENERGY SECTOR**

WHEREAS, Executive Order (EO) No. 174 was issued and signed on 24 November 2014 by H. E. President Benigno S. Aquino III, institutionalizing the Philippine Greenhouse Gas Inventory Management and Reporting System;

WHEREAS, Section 3 of EO 174 designates the Department of Energy (DOE) as the lead agency for the energy sector's GHG inventory;

WHEREAS, Article II, Section 16 of the 1987 Constitution provides that the State shall protect and advance the right of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature;

WHEREAS, Section 6 of Republic Act (RA) No. 8749, or the "Philippine Clean Air Act of 1999," provides for the establishment of the Air Quality Monitoring and Information Network, specifically the reporting of pertinent qualitative and quantitative information concerning the extent of air pollution and the air pollution and quality performance rating of industries;

WHEREAS, RA 9729, or the "Climate Change Act of 2009", as amended by RA 10174, declares that it is a policy of the State to strengthen, integrate, consolidate, and institutionalize government initiatives to achieve coordination in the implementation of plans and programs to address climate change in the context of sustainable development;

WHEREAS, the Climate Change Commission (CCC) is the lead agency in the formulation of mitigation and adaptation policies and strategies to address the effects of climate change; and

WHEREAS, the National Climate Change Action Plan identified the implementation of a national system for the archiving, reporting, monitoring, and evaluating

greenhouse gas (GHG) emissions as an activity that can support better planning for climate change adaptation and mitigation actions.

NOW, THEREFORE, in view of the foregoing premises, the following are hereby ordered:

SECTION 1. LEAD IMPLEMENTING AGENCY OF THE GHG INVENTORY OF THE ENERGY SECTOR AND ITS ROLE AND RESPONSIBILITIES. Pursuant to Section 3 of EO 174, the DOE shall be the lead agency in the conduct of GHG inventory of the energy sector. It shall be responsible for the following:

- a) Provide direction and guidance in the accounting and reporting of GHG emissions from identified key source sub-sectors of the energy sector in order to develop and maintain a centralized, comprehensive, and integrated data on GHGs;
- b) Develop a system for the archiving, reporting, monitoring, and evaluating GHG inventory of the energy sector; and
- c) Provide and facilitate continuous capacity building initiatives in the conduct of GHG inventory of the energy sector to ensure application of updated methodologies.

SECTION 2. ESTABLISHMENT OF GREENHOUSE GAS (GHG) INVENTORY TEAM OF THE ENERGY SECTOR. The GHG Inventory Team is hereby established to collect energy consumption and production data, conduct GHG inventory of the energy sector, prepare GHG inventory report, and submit the report to the CCC.

SECTION 3. COMPOSITION OF THE GHG INVENTORY TEAM OF THE ENERGY SECTOR. The GHG Inventory Team is composed of Energy Policy and Planning Bureau (EPPB) as the lead implementing office/unit with the following as members:

- a) Electric Power Industry Management Bureau (EPIMB);
- b) Oil Industry Management Bureau (OIMB);
- c) Energy Resource Development Bureau (ERDB);
- d) Energy Utilization and Management Bureau (EUMB);
- e) Renewable Energy Management Bureau (REMB);
- f) Information Technology and Management Services (ITMS); and
- g) Energy Research and Testing Laboratory Services (ERTLS).

SECTION 4. SPECIFIC RESPONSIBILITIES OF THE GHG INVENTORY TEAM.

Specifically, the GHG Inventory Team shall be responsible for the following:

- a) Collect data on the amount and type of fuel produced and combusted from energy industries, manufacturing industries and construction, commercial establishments, residential, agriculture and forestry sectors;
- b) Identify and document methodologies, assumptions, and any improvements needed for subsequent inventories, related to activity data, methodologies, or other components of developing the estimates for the development of local emission factors and grid emission factors;
- c) Calculate the GHG emissions of the following sources: (1) combustion from stationary sources such as energy industries, manufacturing industries and construction, commercial establishments, residential sector, agriculture and forestry sectors; (2) combustion from mobile sources such as road transportation (land transport), aviation (air transport), navigation (water transport), off-road, and pipeline; and (3) fugitive emissions from mining, handling and storage of coal, and exploration, production, processing, refining, transmission, storage, and distribution of oil and natural gas;
- d) Coordinate with the Transport, Industrial Processes, Forestry and Waste Sectors for data sharing and GHG inventory adjustments to either account for additional GHG or removal of double counting;
- e) Complete both reference and sectoral approaches in calculating GHG emissions from fossil fuel combustion in the energy sector and comparison of the two results;
- f) Prepare, review, finalize and submit the GHG Inventory Report of the energy sector;
- g) Review the calculations and perform initial Quality Control/Quality Assurance (QC/QA) to measure and control the quality of the inventory, review procedures conducted and oversee the development of uncertainty analysis;
- h) Evaluate the energy sector's climate change mitigation and adaptation strategies and prepare reports as input to the Nationally Determined Contributions, National Communication, Biennial Update Report and other climate change related requirement from the energy sector;


- i) Review GHG inventory materials, including but not limited to the following:
- 2006 Intergovernmental Panel on Climate Change Guidelines for National Greenhouse Gas Inventories and Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories;
 - United Nations Framework Convention on Climate Change guidance manual;
 - Environmental Protection Agency's Template Workbook and Toolkit on Developing a National Greenhouse Gas Inventory System;
 - Consultative Group of Experts' materials; and
 - Other relevant materials for the energy sector.
- j) Develop and implement an Energy Sector-Specific Plan for archiving all relevant information and materials;
- k) Conduct and attend training and research activities on GHG inventory and related subject matter; and
- l) Perform other related functions as may be directed.

SECTION 5. FUNDING. The budgetary requirements for the implementation of this Order shall be charged against the current appropriations, subject to the usual government accounting and auditing rules and regulations. Subsequent funding requirements shall be incorporated in the annual budget proposals of the Department through the General Appropriations Act.

SECTION 6. REPEALING CLAUSE. All previous Orders, Memoranda and Issuances that are inconsistent herewith are superseded, revoked and/or nullified.

SECTION 7. EFFECTIVITY. This Order shall take effect immediately.

Issued this ____ day of _____ 2018 at Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.


ALFONSO G. CUSI
Secretary



MAR 27 2018